

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22910052_f3_310	3793	9015	145	438	290	3.2e-24
Protein name			Locus Name			Acc#
			sp:HELA_LEGPN			Q48815
Description						
HELA PROTEIN						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22915938_c1_408	3794	9016	240	723	86	0.0040
Protein name			Locus Name			Acc#
hypothetical protein APE0978			pir:B72695			B72695
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23470135_f3_270.....	3795	9017	779	2340	695	7.6e-108
Protein name			Locus Name			Acc#
			sp:HEXA_PORGI			P49008
Description						
(BETA-NAHASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23538425_f3_285.....	3796	9018	580	1743	561	1.4e-62
Protein name			Locus Name			Acc#
long-chain-fatty-acid CoA ligase			pir:D70386			D70386
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23601701_f3_289	3797	9019	69	210		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23625912_f3_280.....	3798	9020	477	1434	127	2.8e-07

Protein name Locus Name Acc#

gp:YP102KB AL031866

Description

Yersinia pestis 102 kbases unstable region: from 1 to 119443.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23627187_c1_420.....	3799	9021	423	1272	158	1.0e-08

Protein name Locus Name Acc#

sp:FECR_ECOLI P23485

Description

FECR PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23945430_c3_604.....	3800	9022	743	2232	228	1.0e-27

Protein name Locus Name Acc#

conserved hypothetical protein ylbK pir:H69874 H69874

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24072712_c3_613	3801	9023	196	591	138	2.1e-09

Protein name

Locus Name

Acc#

hypothetical protein sll0687

pir:S74416

S74416

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24391562_c3_272	3802	9024	437	1314	327	2.0e-29

Protein name

Locus Name

Acc#

N-acetylmuramoyl-L-alanine amidase

pir:G70445

G70445

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24398402_c3_564	3803	9025	98	297	225	1.3e-18

Protein name

Locus Name

Acc#

sp:RS18_BACST

P10806

Description

30S RIBOSOMAL PROTEIN S18 (BS21)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407802_c3_617	3804	9026	447	1344	164	1.0e-08

Protein name

Locus Name

Acc#

sp:NANH_MICVI

Q02834

Description

SIALIDASE PRECURSOR, (NEURAMINIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24615811_f1_10	3805	9027	458	1377	1028	1.0e-103
Protein name			Locus Name		Acc#	
ArgE/DapE/Acyl family protein			pir:E75324		E75324	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645311_f1_52	3806	9028	299	900	147	6.9e-08
Protein name			Locus Name		Acc#	
hypothetical protein aq_1533			pir:A70433		A70433	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648437_f1_103	3807	9029	297	894	211	1.0e-15
Protein name			Locus Name		Acc#	
acriflavin resistance protein AcrE			pir:A70361		A70361	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24650287_c3_534	3808	9030	400	1203		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24660412_f3_325	3809	9031	350	1053	609	2.6e-59
Protein name			Locus Name		Acc#	
hypothetical protein TM1269			pir:D72274		D72274	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24706575_c2_496	3810	9032	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24707287_c1_376	3811	9033	349	1050	894	1.6e-89

Protein name

Locus Name

Acc#

gp:PGU60208

U60208

Description

Porphyromonas gingivalis orf1, orf2 and orf3 genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24804187_f2_179	3812	9034	76	231	91	0.0011

Protein name

Locus Name

Acc#

sodium channel protein

gp:DVU26718

U26718

Description

Drosophila virilis sodium channel protein (para) gene, exons1,2,3,4, and optional segment i, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24806501_f2_190	3813	9035	146	441	71	0.038

Protein name

Locus Name

Acc#

hypothetical protein BBA32

pir:H70210

H70210

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2533590_f2_196	3814	9036	82	249	68	0.034
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Protein name

Locus Name

Acc#

cellulose synthase

pir:I39714

I39714

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25431562_c1_371	3815	9037	237	714	1212	3.2e-123
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Protein name

Locus Name

Acc#

rprY protein

pir:S33662

S33662

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25520626_c1_375	3816	9038	449	1350	776	5.2e-77
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Protein name

Locus Name

Acc#

sp:YQEV_BACSU

P54462

Description

HYPOTHETICAL 51.7 KD PROTEIN IN DNAJ-RPSU INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25674157_c1_378	3817	9039	81	246		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25975012_c1_393	3818	9040	311	936	158	4.8e-09
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Protein name

Locus Name

Acc#

sodium-dependent transporter homolog yocS

pir:E69902

E69902

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2626655_c2_462	3819	9041	159	480		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26306507_c3_607	3820	9042	633	1902	1817	2.5e-187

Protein name

Locus Name

Acc#

sp:MUTB_PORGI

Q59676

Description

METHYLMALONYL-COA MUTASE ALPHA-SUBUNIT, (MCM-ALPHA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26366555_f3_326	3821	9043	476	1431	1177	1.7e-119

Protein name

Locus Name

Acc#

hypothetical protein TM1267

pir:B72274

B72274

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26370302_f2_152	3822	9044	449	1350	1232	2.5e-125

Protein name

Locus Name

Acc#

sp:G6PA_BACST

P13375

Description

ISOMERASE A)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26642932_c2_450	3823	9045	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2864693_f3_306	3824	9046	442	1329	340	3.5e-62

Protein name

Locus Name

Acc#

sp:QUEA_ECOLI

P21516

Description

(QUEUOSINE BIOSYNTHESIS PROTEIN QUEA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29423910_c2_522	3825	9047	81	246		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31260938_f3_261	3826	9048	591	1776	1242	2.1e-126

Protein name

Locus Name

Acc#

sp:SYK_BACSU

P37477

Description

LYSYL-TRNA SYNTHETASE, (LYSINE--TRNA LIGASE) (LYSRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31289536_f2_164	3827	9049	110	333	83	0.0014
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
cytochrome oxidase I			gp:AF072662			AF072662
<u>Description</u>						
Exoneurella eremophila cytochrome oxidase I gene, mitochondrial gene encoding mitochondrial protein, partial cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31428541_f3_292	3828	9050	183	552	126	5.7e-06
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:YHA2_EIKCO			P35649
<u>Description</u>						
HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5' REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31755000_f1_29	3829	9051	567	1704	1079	4.0e-109
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:YIDE_HAEIN			P44472
<u>Description</u>						
HYPOTHETICAL PROTEIN HI0035						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31808567_c3_568	3830	9052	311	936	160	3.1e-09
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
probable lipid A biosynthesis acyltransferase			pir:H71954			H71954
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397175_c2_529	3831	9053	633	1902		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33787877_c1_358	3832	9054	354	1065	122	0.00032

Protein name

Locus Name

Acc#

MutS-like protein

gp:SATRXA

AJ223480

Description

Staphylococcus aureus trxA and uvrC genes and partial mutS and dhsC genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3385890_c3_587	3833	9055	161	486	99	0.0018

Protein name

Locus Name

Acc#

hypothetical protein C56G2.15

pir:T15873

T15873

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34165912_f3_307	3834	9056	177	534	175	2.5e-13

Protein name

Locus Name

Acc#

probable isomerase

pir:B70986

B70986

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34406303_f1_87	3835	9057	191	576		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34411051_f3_300	3836	9058	728	2187	134	5.3e-07

Protein name

Locus Name

Acc#

gp:PGU60208

U60208

Description

Porphyromonas gingivalis orf1, orf2 and orf3 genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34417142_c1_414	3837	9059	717	2154	3088	0.0

Protein name

Locus Name

Acc#

sp:MUTA_PORGI

Q59677

Description

METHYLMALONYL-COA MUTASE BETA-SUBUNIT, (MCB-BETA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35661441_f3_251	3838	9060	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36134657_f1_90	3839	9061	201	606	300	1.4e-26

Protein name

Locus Name

Acc#

hypothetical protein PAB0910

pir:B75048

B75048

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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37562_c2_530	3840	9062	912	2736	506	5.4e-56
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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37785_c3_611.....	3841	9063	264	795	107	0.00081
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Protein name

Locus Name

Acc#

hypothetical protein SCE39.30

pir:T36240

T36240

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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3944087_c2_451.....	3842	9064	392	1179	153	4.9e-10
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Protein name

Locus Name

Acc#

hypothetical protein c0115

pir:S74051

S74051

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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4068777_c2_463.....	3843	9065	578	1737	801	6.8e-84
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Protein name

Locus Name

Acc#

sp:EPG_THETH

P13551

Description

ELONGATION FACTOR G (EF-G)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4078910_c3_614	3844	9066	1175	3528	519	8.8e-60

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGII30872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
41562_c3_571	3845	9067	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
426657_c3_612	3846	9068	144	435	268	8.6e-22

Protein name

Locus Name

Acc#

proline/pyrroline-5-carboxylate dehydrogenase

pir:B71980

B71980

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4329428_f3_265	3847	9069	245	738	255	8.4e-22

Protein name

Locus Name

Acc#

sp:YFBT_ECOLI

P77625

Description

HYPOTHETICAL 23.7 KD PROTEIN IN LRHA-ACKA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4378530_f1_21	3848	9070	485	1458	468	2.2e-44
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Protein name

Locus Name

Acc#

probable glycosyl hydrolase

pir:T36467

T36467

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4532885_c3_593.....	3849	9071	171	516	96	0.0057
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Protein name

Locus Name

Acc#

putative outer surface protein

gp:BBU80960

Description

Borrelia burgdorferi strain CA12 putative outer membrane protein(ospE) gene, complete cds and putative outer surface protein (ospF)gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4551635_f1_102.....	3850	9072	1285	3858	1850	1.7e-192
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Protein name

Locus Name

Acc#

czrA protein

gp:PACZR

Y14018

Description

Pseudomonas aeruginosa czrR, czrC, czrB, czrA genes, ORF5 and partial ORF6.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4698910_f3_275.....	3851	9073	892	2679	476	3.4e-78
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Protein name

Locus Name

Acc#

ribonucleoside-diphosphate reductase, large chain nrd

pir:G69457

G69457

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4704675_f2_169	3852	9074	905	2718	1036	2.5e-145

Protein name	Locus Name	Acc#
4-alpha-glucanotransferase homolog T20B5.4	pir:T00748	T00748

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4804537_f1_65.....	3853	9075	149	450	197	1.2e-15

Protein name	Locus Name	Acc#
	sp:FOLB_BACSU	P28823

Description

DIHYDRONEOPTERIN ALDOLASE, (DHNA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4867188_c1_415.....	3854	9076	719	2160	883	2.4e-88

Protein name	Locus Name	Acc#
	sp:TOP3_HAEIN	P43704

Description

DNA TOPOISOMERASE III,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4882287_f2_188.....	3855	9077	385	1158	599	2.9e-58

Protein name	Locus Name	Acc#
coproporphyrinogen oxidase, III, oxygen-independent hemN	pir:B69640	B69640

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4892261_c2_466	3856	9078	155	468	271	1.7e-23

Protein name

Locus Name

Acc#

ribosomal protein L09

pir:B70475

B70475

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4897125_f3_262	3857	9079	334	1005	403	1.7e-37

Protein name

Locus Name

Acc#

sp:GPDA_BACSU

P46919

Description

DEPENDENT DIHYDROXYACETONE-PHOSPHATE REDUCTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4975625_f1_91	3858	9080	128	387		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5117763_c1_389	3859	9081	261	786	287	3.4e-25

Protein name

Locus Name

Acc#

probable reductase APE1044

pir:E72703

E72703

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5859380_f3_288	3860	9082	173	522	136	3.4e-09

Protein name

Locus Name

Acc#

unknown

gp:AF095748

AF095748

Description

Burkholderia cepacia principal sigma factor (sigA), phthalatedioxygenase reductase (ophA1), putative phthalate permeaseN-terminal region, putative phthalate permease C-terminal region(ophD), 4,5-dihydroxyphthalate decarboxylase (ophC),phthalate-inducible quinolinate phosphoribosyl transferase (ophE),transposase (tnp), phthalate dihydrodiol dehydrogenase

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5866512_c3_531	3861	9083	226	681		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6031717_c1_370	3862	9084	154	465	321	6.3e-28

Protein name

Locus Name

Acc#

translation elongation factor G

pir:H72227

H72227

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6136675_c3_561	3863	9085	527	1584	2624	7.7e-273

Protein name

Locus Name

Acc#

RprX

gp:S59000

S59000

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
625087_f1_53	3864	9086	488	1467	700	8.9e-78

Protein name

Locus Name

Acc#

sp:DNAA_BACSU

P05648

Description

CHROMOSOMAL REPLICATION INITIATOR PROTEIN DNAA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6447131_f1_44	3865	9087	221	666	669	1.1e-65

Protein name

Locus Name

Acc#

sp:UNG_HUMAN

P13051

Description

URACIL-DNA GLYCOSYLASE PRECURSOR, (UDG)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6454837_c2_477	3866	9088	176	531	352	4.4e-32

Protein name

Locus Name

Acc#

methylglyoxal synthase

pir:G72284

G72284

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6829387_f2_189	3867	9089	189	570	176	2.0e-13

Protein name

Locus Name

Acc#

probable RNA polymerase sigma-24 factor
(rpoE)

pir:E71368

E71368

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6837762_c2_502	3868	9090	179	540	167	1.8e-12

Protein name

Locus Name

Acc#

sp:Y778_METJA

Q58188

Description

HYPOTHETICAL PROTEIN MJ0778

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
954787_f1_43	3869	9091	375	1128	828	1.6e-82

Protein name

Locus Name

Acc#

sp:ASNA_HAEIN

P44338

Description

ASPARTATE--AMMONIA LIGASE, (ASPARAGINE SYNTHETASE A)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9782217_f2_145	3870	9092	211	636	84	0.047

Protein name

Locus Name

Acc#

sp:Y804_HAEIN

P44053

Description

HYPOTHETICAL PROTEIN HI0804

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11720063_c3_96	3871	9093	519	1560	695	2.0e-68

Protein name

Locus Name

Acc#

alpha galactosidase precursor

gp:AF061331

AF061331

Description

Saccharopolyspora erythraea alpha galactosidase precursor (melA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12688787_f3_50	3872	9094	167	504	215	1.4e-17
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
cytidine deaminase			gp:BCA237979			AJ237979
<u>Description</u>						
Bacillus caldolyticus cdd gene for cytidine deaminase.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12773337_c1_77	3873	9095	426	1281	142	1.1e-06
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
conserved hypothetical protein yknZ			pir:E69858			E69858
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13845217_f3_57	3874	9096	81	246		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14569175_f3_55	3875	9097	329	990	401	2.8e-37
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
unknown			gp:AF083252			AF083252
<u>Description</u>						
Pseudomonas aeruginosa enoyl-CoA hydratase gene, partial cds; pilinbiosynthetic protein (fimL) gene, complete cds; and unknown gene.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21665630_f2_34	3876	9098	213	642	448	3.0e-42
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Protein name

Locus Name

Acc#

sp:YKGB_HAEIN

P44577

Description

HYPOTHETICAL PROTEIN HI0219

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22144041_f2_33	3877	9099	287	864	233	1.8e-19
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Protein name

Locus Name

Acc#

PobR protein

gp:PPU251792

AJ251792

Description

Pseudomonas putida pobR gene for PobR protein and pobA gene forPobA protein.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22305443_c3_94	3878	9100	478	1437	123	0.00026
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Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2379442_f1_13	3879	9101	467	1404	970	1.4e-97
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Protein name

Locus Name

Acc#

sp:YKGC_ECOLI

P77212

Description

INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24095327_c3_106	3880	9102	299	900	627	3.2e-61
Protein name			Locus Name			Acc#
hemagglutinin			gp:AF017417			AF017417
Description						
Prevotella intermedia hemagglutinin (phg) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642687_c1_66	3881	9103	300	903	547	9.5e-53
Protein name			Locus Name			Acc#
			sp:DCHS_CLOPE			P04194
Description						
HISTIDINE DECARBOXYLASE PROENZYME PRECURSOR, (PI CHAIN)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24719017_c3_95	3882	9104	156	471		
Protein name			Locus Name			Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2587908_c3_109	3883	9105	430	1293	182	4.2e-11
Protein name			Locus Name			Acc#
YvrN protein			gp:BS43KBDNA			AJ223978
Description						
Bacillus subtilis 42.7kB DNA fragment from yvsa to yvqa.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26595051_c3_108	3884	9106	417	1254	184	1.7e-11

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein aq_294	pir:H70326	H70326

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30504157_f2_35	3885	9107	531	1596	779	2.5e-77

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
putative ABC transporter ATP-binding protein	gp:SCF56	AL133424

Description

Streptomyces coelicolor cosmid F56.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35452775_g1_64	3886	9108	112	339		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4306268_f3_61	3887	9109	63	192	72	0.020

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
ORF MSV147 hypothetical protein	gp:AF063866	AF063866

Description

Melanoplus sanguinipes entomopoxvirus, complete genome.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
676677_c3_93	3888	9110	194	585	159	3.0e-10

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
975050_c1_78	3889	9111	160	480		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
1197324_c1_98	3890	9112	155	468	267	8.0e-23

Protein name

Locus Name

Acc#

endo-beta-galactosidase

gp:AF083896

AF083896

Description

Flavobacterium keratolyticus endo-beta-galactosidase gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
11975307_c3_184	3891	9113	71	216	230	3.7e-19

Protein name

Locus Name

Acc#

rubredoxin

pir:H72348

H72348

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14354208_c3_195	3892	9114	423	1272		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15712683_f2_69	3893	9115	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16617135_c3_177	3894	9116	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16914077_f3_94	3895	9117	262	789	147	4.3e-10

Protein name

Locus Name

Acc#

ORF8

gp:D78257

D78257

Description

Enterococcus faecalis plasmid pYI17 genes for BacA, BacB, ORF3, ORF4, ORF5, ORF6, ORF7, ORF8, ORF9, ORF10, ORF11, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21660966_c2_163	3896	9118	140	423	112	2.4e-05

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
unknown	gp:AF116463	AF116463

Description

Streptomyces lincolnensis putative regulatory protein WdIA (wdIA) gene, complete cds; and unknown gene.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21756552_f2_67	3897	9119	217	654		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22270327_c2_130	3898	9120	304	915	332	5.8e-30

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein slr1534	pir:S75855	S75855

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22360900_c1_124	3899	9121	64	195		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23446055_c1_116	3900	9122	610	1833		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23697132_f2_49	3901	9123	646	1941		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24275380_c2_167	3902	9124	188	567	483	5.8e-46

Protein name Locus Name Acc#

phosphoribosylaminoimidazole carboxylase
(pure) PAB1077

pir:B75013

B75013

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24407530_f1_8	3903	9125	157	474		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24409383_f1_31	3904	9126	214	645	234	1.4e-19
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hypothetical 23.5K protein (glnA-fdhE intergenic region):hypothetical protein o206			pir:S40829			
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2461693_f1_18	3905	9127	612	1839	127	1.6e-13
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hypothetical protein SC6C5.12c SC6C5.12c			pir:T35483			T35483
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648516_c1_114	3906	9128	559	1680	1192	4.3e-121
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
uridine kinase-related protein			pir:B72341			B72341
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24656412_f2_64	3907	9129	333	1002	527	1.3e-50
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
riboflavin kinase			pir:D70313			D70313
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25682030_f1_1	3908	9130	185	558	310	1.2e-27
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
hypothetical protein			pir:F72424			F72424
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29861251_c1_115	3909	9131	526	1581	224	1.1e-15
Protein name			Locus Name		Acc#	
sensor histidine kinase			pir:A72383		A72383	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30126500_f2_63	3910	9132	562	1689	664	2.4e-64
Protein name			Locus Name		Acc#	
			sp:ATC1_DICDI		P54678	
Description						

CATION-TRANSPORTING ATPASE PAT1,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30509632_f1_28	3911	9133	575	1728	568	3.1e-54
Protein name			Locus Name		Acc#	
sensory transduction histidine kinase slr2104:protein slr2104:protein slr2104			pir:S75136		S75136	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31674158_f1_17	3912	9134	90	273		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31835967_f2_47	3913	9135	515	1548	411	1.1e-50
<u>Protein name</u>				<u>Locus Name</u>	<u>Acc#</u>	
aminopeptidase				gp:AF041033	AF041033	
<u>Description</u>						
Shigella flexneri aminopeptidase (pepP) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32219042_c3_196	3914	9136	496	1491	496	2.4e-47
<u>Protein name</u>				<u>Locus Name</u>	<u>Acc#</u>	
				sp:RP54_ACICA	P33983	
<u>Description</u>						
RNA POLYMERASE SIGMA-54 FACTOR						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33390937_f3_95	3915	9137	80	243	267	4.5e-23
<u>Protein name</u>				<u>Locus Name</u>	<u>Acc#</u>	
transcription regulator homolog yozG				pir:C69931	C69931	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33992212_c3_199	3916	9138	490	1473	665	3.0e-65
<u>Protein name</u>				<u>Locus Name</u>	<u>Acc#</u>	
gcpe protein				pir:E72087	E72087	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34486592_f2_51	3917	9139	224	675		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35441251_c1_99	3918	9140	389	1170	190	2.6e-12

Protein name

Locus Name

Acc#

sp:QPCT_HUMAN

Description

(GLUTAMINYL-TRNA CYCLOTRANSFERASE) (GLUTAMINYL CYCLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36413327_f1_3D	3919	9141	348	1047	538	2.7e-64

Protein name

Locus Name

Acc#

calcium motive P-type ATPase

gp:AF145282

AF145282

Description

Trichomonas vaginalis calcium motive P-type ATPase (CA-2) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4328175_c1_100	3920	9142	145	438	251	2.2e-21

Protein name

Locus Name

Acc#

sp:YE19_SYNY3

P74523

Description

HYPOTHETICAL 17.7 KD PROTEIN SLR1419

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4334562_c3_198	3921	9143	130	393	339	1.0e-30

Protein name

Locus Name

Acc#

sp:GCSH_ECOLI

P23884

Description

GLYCINE CLEAVAGE SYSTEM H PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4475705_f1_14	3922	9144	180	543		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4724062_c3_197	3923	9145	235	708	157	2.0e-11

Protein name

Locus Name

Acc#

sp:Y61A_METJA

P81310

Description

HYPOTHETICAL PROTEIN MJ0611.1

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
81887_c1_128	3924	9146	230	693	356	4.6e-36

Protein name

Locus Name

Acc#

hypothetical protein gcpe

pir:E71562

E71562

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9782828_f2_52	3925	9147	145	438		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9929832_f3_89	3926	9148	565	1698	739	4.3e-73

Protein name

Locus Name

Acc#

conserved hypothetical integral membrane protein TP0771

pir:H71283

H71283

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10003452_c3_632	3927	9149	551	1656	338	1.2e-27

Protein name

Locus Name

Acc#

sp:Y1CI_ECOLI

Description

HYPOTHETICAL 88.1 KD PROTEIN IN GLTS-SELC INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
100400_c2_481	3928	9150	108	327		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10188427_f3_266	3929	9151	72	219	103	8.7e-05

Protein name	Locus Name	Acc#
transposase	gp:AF038866	AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10291393_f1_12	3930	9152	464	1395	800	1.5e-79

Protein name	Locus Name	Acc#
	sp:Y260_SYNY3	P74409

Description

HYPOTHETICAL 49.2 KD PROTEIN SLL0260

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10719385_f3_318	3931	9153	97	294		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10739387_f3_330	3932	9154	469	1410	263	2.1e-20

Protein name	Locus Name	Acc#
transposase	gp:AF038866	AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10739526_c1_416	3933	9155	713	2142	837	2.9e-110

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
alpha-glucosidase	gp:BTU66897	U66897

Description

Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10979675_f1_20	3934	9156	620	1863	174	2.4e-09

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
probable purine NTPase PAB0812	pir:F75103	F75103

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11016386_f1_116.....	3935	9157	74	225		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
112686_f1_13.....	3936	9158	169	510		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1209436_f2_211	3937	9159	391	1176	493	5.0e-47

Protein name	Locus Name	Acc#
immunoreactive 42kD antigen PG33	gp:AF175715	AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12316382_c2_553	3938	9160	167	504	477	2.5e-45

Protein name	Locus Name	Acc#
O-acetylhomoserine sulphydrylase	pir:D72324	D72324

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12516930_f3_291	3939	9161	60	183		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12582785_f3_281	3940	9162	68	207		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12690927_c3_555	3941	9163	332	999	299	4.2e-36

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein F19D11.16:hypothetical protein F14M4.29:hypothetical protein F14M4.29	pir:T02689	

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12897701_c3_642	3942	9164	257	774	748	4.8e-74

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
O-acetylhomoserine sulphydrylase	pir:D72324	D72324

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13835817_f3_315	3943	9165	64	195		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14063318_f2_207	3944	9166	60	183	129	1.9e-08

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein PH1147	pir:E71056	E71056

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
I4156287_f3_255	3945	9167	445	1338	168	4.4e-09
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:PGU60208		U60208	
<u>Description</u>						
Porphyromonas gingivalis orf1, orf2 and orf3 genes, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
I4463437_c3_592	3946	9168	234	705	200	5.6e-16
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein ycgF			pir:A69758		A69758	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
I4745312_f3_290	3947	9169	103	312	77	0.013
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
NADH dehydrogenase subunit 2			gp:AF160864		AF160864	
<u>Description</u>						
Tetrahymena pyriformis mitochondrial DNA, complete genome.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
I5079802_f1_100	3948	9170	106	321		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15631502_f1_99	3949	9171	442	1329	300	1.2e-33
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YHCG_ECOLI		P45423	

Description

HYPOTHETICAL 43.3 KD PROTEIN IN GLTF-NANT INTERGENIC REGION (O375)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15707788_c2_535	3950	9172	268	807	386	1.1e-35
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
transposase			gp:AF038866		AF038866	

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16229142_c2_502.....	3951	9173	75	228		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16493968_c1_455.....	3952	9174	331	996	204	3.4e-16
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:XYNC_CALSA		P23553	

Description

ACETYL ESTERASE, (ACETYLXYLOSIDASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16594202_f1_73	3953	9175	62	189		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_f3_339.....	3954	9176	431	1296	1723	2.3e-177

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein	pir:JQ1020	JQ1020
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
187826_f3_271.....	3955	9177	746	2241	2313	6.9e-240

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

sp:PFL_CLOPA	Q46266
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Description

FORMATE ACETYLTRANSFERASE, (PYRUVATE FORMATE-LYASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1954562_g3_605.....	3956	9178	1111	3336	557	5.9e-55

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19617202_c3_559	3957	9179	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19706258_c2_541	3958	9180	76	231	143	4.0e-09

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1987817_c1_388	3959	9181	79	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20039010_c2_537	3960	9182	130	393		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20213303_c2_519	3961	9183	394	1185	161	7.1e-16
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
ATP-dependent activating enzyme			gp:PFFBSCEAB			Y09356
<u>Description</u>						
Pseudomonas fluorescens fbsC, fbsE, fbsA and fbsB genes.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2031290_f1_25	3962	9184	70	213		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20319132_c2_523	3963	9185	354	1065	159	3.0e-10
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
transmembrane sensor			gp:AF051691			AF051691
<u>Description</u>						
Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20353400_f1_107	3964	9186	833	2502	801	1.2e-79
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:MUS2_BACSU			P94545
<u>Description</u>						
MUTS2 PROTEIN						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20801930_c2_505	3965	9187	512	1539	467	3.9e-51
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
amidophosphoribosyltransferase	pir:H69185				H69185	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2125277_f1_113	3966	9188	526	1581	2616	5.4e-272
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
alkyl hydroperoxide reductase subunit F	gp:AF129406				AF129406	
<u>Description</u>						

Bacteroides fragilis alkyl hydroperoxide reductase subunit C (ahpC) and alkyl hydroperoxide reductase subunit F (ahpF) genes, completecds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2146927_f1_11	3967	9189	282	849	410	3.1e-38
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
transcription regulator yggG	pir:G65078					
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21605288_f2_134	3968	9190	874	2625	93	0.0019
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein b2228	pir:B64993				B64993	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21722925_c2_496	3969	9191	95	288		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2187805_c2_507.....	3970	9192	64	195	75	0.019

Protein name

Locus Name

Acc#

putative transmembrane protein

gp:SCU96107

U96107

Description

Staphylococcus carnosus N5,N10-methylenetetrahydromethanopterinreductase homolog, SceB precursor (sceB) and putative transmembraneprotein genes, complete cds, and putative Na⁺/H⁺ antiporter NhaC(nhaC) gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2204407_f1_103.....	3971	9193	322	969	87	0.045

Protein name

Locus Name

Acc#

sp:PRIM_LISMO

P47762

Description

DNA PRIMASE,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22289061_f2_142.....	3972	9194	106	321		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22539088_c3_593	3973	9195	186	561		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22689628_f2_204	3974	9196	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22860128_f1_106	3975	9197	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22928812_c1_441	3976	9198	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23445317_c1_458	3977	9199	310	933	721	3.5e-71
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
conserved hypothetical protein BB0682			pir:A70185		A70185	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23609517_c3_613	3978	9200	358	1077	508	1.3e-48
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:A00047		A00047	
<u>Description</u>						
E.coli mor gene.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23634701_c1_424	3979	9201	308	927	113	3.4e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
AmpG-signal transducer			gp:ECAMPG3		X82159	
<u>Description</u>						
E.coli ampG3 gene.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23640675_c1_364	3980	9202	165	498	101	0.0025
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein A208R			pir:T17698		T17698	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2378150_c3_595	3981	9203	532	1599	1332	6.2e-136
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:RF3_ECOLI			P33998
<u>Description</u>						
PEPTIDE CHAIN RELEASE FACTOR 3 (RF-3)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23945263_f3_275	3982	9204	257	774		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24093763_c1_398	3983	9205	417	1254	1298	2.5e-132
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:PEPT_BACSU			P55179
<u>Description</u>						
PEPTIDASE T, (AMINOTRIPEPTIDASE) (TRIPPEPTIDASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24229677_c1_375	3984	9206	339	1020	1381	4.0e-141
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
class A beta-lactamase CFXA2 precursor			gp:AF118110			AF118110
<u>Description</u>						
Prevotella intermedia class A beta-lactamase CFXA2 precursor(cfxA2) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24397187_c3_562	3985	9207	186	561		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24414026_f2_150	3986	9208	164	495	390	4.1e-36

Protein name

Locus Name

Acc#

Dps

gp:AB025779

AB025779

Description

Porphyromonas gingivalis gene for Dps, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24429050_c1_403	3987	9209	769	2310	465	1.9e-43

Protein name

Locus Name

Acc#

sp:YBAL_ECOLI

Description

HYPOTHETICAL 59.4 KD PROTEIN IN GSK-FSR INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644637_c2_460	3988	9210	301	906	168	7.1e-10

Protein name

Locus Name

Acc#

nucleotide pyrophosphatase homolog T16L4.210

pir:T09933

T09933

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24782792_c3_608	3989	9211	395	1188		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24804817_c3_607	3990	9212	246	741	123	3.2e-05

Protein name Locus Name Acc#

sp:EBA2_FLAME P36912

Description

(ENDOGLYCOSIDASE F2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24807812_f1_108	3991	9213	357	1074	528	9.8e-51

Protein name Locus Name Acc#

divalent cation transport-related protein pir:H72360 H72360

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24822142_f2_226	3992	9214	190	573		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24848928_c1_459	3993	9215	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24849132_f3_335	3994	9216	374	1125		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2500052_c2_513	3995	9217	423	1272	376	1.3e-34

Protein name

Locus Name

Acc#

sp:YIDA_ECOLI

Description

HYPOTHETICAL 29.7 KD PROTEIN IN IBPA-GYRB INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25398385_c2_461	3996	9218	346	1041	262	1.5e-22

Protein name

Locus Name

Acc#

hypothetical protein F14F9.5

pir:T33774

T33774

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25422162_f1_5	3997	9219	278	837		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25580212_f1_97	3998	9220	76	231	78	0.034

Protein name

Locus Name

Acc#

HCG-1 protein

gp:AF044219

AF044219

Description

Drosophila melanogaster HCG-1 protein (HCG-1) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25892062_c2_498	3999	9221	111	336	173	4.1e-13

Protein name

Locus Name

Acc#

thioredoxin-like protein

gp:ATAC010718

AC010718

Description

Arabidopsis thaliana chromosome I BAC F28016 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25892187_c3_594	4000	9222	291	876	593	1.3e-57

Protein name

Locus Name

Acc#

probable dTDP-L-rhamnose synthase

pir:T31087

T31087

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26359635_c1_409	4001	9223	373	1122	280	1.9e-24

Protein name

Locus Name

Acc#

sp:ENTC_ECOLI

P10377

Description

ISOCHORISMATE SYNTHASE ENTC,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26460003_c3_599	4002	9224	579	1740	454	6.8e-43

Protein name

Locus Name

Acc#

sp:MEND_HAEIN

P44612

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26461680_c3_580	4003	9225	351	1056	614	7.6e-60

Protein name

Locus Name

Acc#

probable zinc-containing dehydrogenase

pir:T36961

T36961

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26600327_c1_393	4004	9226	145	438	111	1.5e-06

Protein name

Locus Name

Acc#

ferric uptake regulation protein

pir:G72213

G72213

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26601677_c1_412	4005	9227	276	831	1012	5.1e-102

Protein name	Locus Name	Acc#
naphthoate synthase, menB:DHNA synthase: dihydroxynaphthoate synthase: dihydroxynaphthoic acid synthetase	pir:F69656	
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26604687_f2_133	4006	9228	134	405		

Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26604692_c3_621	4007	9229	161	486	239	1.1e-19

Protein name	Locus Name	Acc#
transposase	gp:AF038866	AF038866
<u>Description</u>		

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26820341_c3_603	4008	9230	331	996	140	9.2e-07

Protein name	Locus Name	Acc#
HypI protein	gp:HVHYPIPRO	Y09797
<u>Description</u>		

H.vulgaris mRNA for HypI protein.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29398290_f3_257	4009	9231	64	195	83	0.0053
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
asparagine-rich protein (clone 28C6)			pir:S14470		S14470	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30079675_c3_583	4010	9232	805	2418	366	1.5e-31
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
Sensor protein RcSC (EC 2.7.3.-).			gp:D90850			
<u>Description</u>						
E.coli genomic DNA, Kohara clone #373(49.5-49.9 min.).						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30195142_c2_535	4011	9233	924	2775	323	8.8e-25
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			pir:C72285		C72285	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30502255_f2_127	4012	9234	344	1035		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30572331_g1_430	4013	9235	115	348		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32478803_c2_552	4014	9236	110	333	80	0.033

Protein name

Locus Name

Acc#

sp:CPE1_BOVIN

018963

Description

CYTOCHROME P450 2E1, (CYP11E1)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32523576_f1_82	4015	9237	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3319437_c3_628	4016	9238	173	522		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33210936_f1_46	4017	9239	214	645	163	4.7e-12

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33400263_c1_423	4018	9240	338	1017		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33786083_f3_338	4019	9241	483	1452	2084	1.3e-215

Protein name

Locus Name

Acc#

NBU1 mobilization protein mob

pir:A49901

A49901

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34026558_f1_36	4020	9242	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34509700_c1_422	4021	9243	137	414		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35157050_f2_227	4022	9244	327	984	236	8.6e-20

Protein name

Locus Name

Acc#

hypothetical protein PAB0040

pir:B75194

B75194

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35161302_c2_524	4023	9245	211	636	158	1.0e-10

Protein name

Locus Name

Acc#

sp:Y350_HAEIN

P24326

Description

HYPOTHETICAL PROTEIN HI0350 (ORF3)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36073591_c1_389	4024	9246	301	906	362	3.8e-33

Protein name

Locus Name

Acc#

sp:YZ09_MYCTU

Q10543

Description

HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE CY31.09,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36207933_c1_413.....	4025	9247	355	1068	175	1.1e-10

Protein name

Locus Name

Acc#

chloromuconate cycloisomerase homolog ykfB

pir:H69855

H69855

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36361002_f3_267.....	4026	9248	169	510		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
3944688_f3_349	4027	9249	191	576	983	6.0e-99

Protein name Locus Name Acc#
alkyl hydroperoxide reductase subunit C gp:AF129406 AF129406

Description

Bacteroides fragilis alkyl hydroperoxide reductase subunit C (ahpC) and alkyl hydroperoxide reductase subunit F (ahpF) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
3947562_c2_534	4028	9250	400	1203	758	4.2e-75

Protein name Locus Name Acc#
transposase gp:AF038866 AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4094563_f2_137	4029	9251	445	1338	128	5.1e-05

Protein name Locus Name Acc#
hypothetical protein PH0922 pir:D71082 D71082

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4094687_c1_411	4030	9252	337	1014		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4094800_f3_344	4031	9253	405	1218	698	4.8e-83
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:SDHL_STRCO		O86564	
<u>Description</u>						
L-SERINE DEHYDRATASE, (L-SERINE DEAMINASE) (SDH) (L-SD)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4504682_c1_402	4032	9254	250	753	131	1.4e-05
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
intracellular hyaluronic acid binding protein			gp:AF032862		AF032862	
<u>Description</u>						
Homo sapiens intracellular hyaluronic acid binding protein (IHABP)mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4.719626_c2_508.....	4033	9255	592	1779		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4800926_f3_326.....	4034	9256	512	1539	356	5.6e-31
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:GA6S_HUMAN		P34059	
<u>Description</u>						
(CHONDROITINASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4939000_c2_525	4035	9257	336	1011	1037	1.1e-104

Protein name	Locus Name	Acc#
conserved hypothetical protein	pir:B72278	B72278

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5081927_c2_504	4036	9258	679	2040	1451	1.5e-148

Protein name	Locus Name	Acc#
cation-transporting atpase, p-type (pacs) PAB0626	pir:E75141	E75141

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
510937_c1_365	4037	9259	171	516		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5117762_c3_616	4038	9260	422	1269	114	0.00075

Protein name	Locus Name	Acc#
hypothetical protein F42G9.3	pir:T16348	T16348

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5167037_c3_606	4039	9261	518	1557		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5273552_c3_639	4040	9262	148	447		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5363816_c1_386	4041	9263	380	1143	104	0.0047

Protein name

Locus Name

Acc#

gp:PFMAL3P7

Description

Plasmodium falciparum MAL3P7, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
584700_c3_263	4042	9264	90	273		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6429643_c3_615	4043	9265	189	570	190	6.5e-15

Protein name

Locus Name

Acc#

sp:RPOE_HAEIN

P44790

Description

RNA POLYMERASE SIGMA-E FACTOR (SIGMA-24)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6444077_f1_27	4044	9266	241	726	555	1.4e-53
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:PFLA_ECOLI		P09374	
<u>Description</u>						
ACTIVATING ENZYME)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7084675_f1_19	4045	9267	387	1164		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7109407_c3_586.....	4046	9268	135	408	253	1.4e-21
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YEA0_ECOLI		P76243	
<u>Description</u>						
HYPOTHETICAL 14.2 KD PROTEIN IN GAPA-RND INTERGENIC REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
860927_c2_503.....	4047	9269	348	1047	668	1.4e-65
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YEIH_ECOLI		P33019	
<u>Description</u>						
HYPOTHETICAL 36.9 KD PROTEIN IN LYSP-NFO INTERGENIC REGION						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
975780_f3_333	4048	9270	351	1056	93	0.0034
Protein name			Locus Name		Acc#	
troponin T, cardiac muscle:troponin T2			pir:TPHUTC			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9927330_c3_627	4049	9271	63	192		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9954757_c3_561	4050	9272	189	570		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9959400_c1_399	4051	9273	367	1104	815	3.8e-81
Protein name			Locus Name		Acc#	
			sp:GCST_BACSU		P54378	
Description						

T PROTEIN)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22438202_f2_1	4052	9274	74	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10556942_f3_138.....	4053	9275	634	1905	411	5.6e-38

Protein name

Locus Name

Acc#

inner membrane protein homolog

pir:A70155

A70155

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11125291_f3_146.....	4054	9276	191	576	137	2.7e-09

Protein name

Locus Name

Acc#

transcriptional regulator

gp:BSUB0017

Description

Bacillus subtilis complete genome (section 17 of 21): from 3197001 to 3414420.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12931502_f3_166.....	4055	9277	143	432	222	2.6e-18

Protein name

Locus Name

Acc#

heat shock protein, class I

pir:D72385

D72385

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13860625_c2_279	4056	9278	113	342	78	0.0048
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
conserved hypothetical protein yulD	pir:F70014				F70014	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14564061_c1_196	4057	9279	438	1317	1171	7.2e-119
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
coenzyme F390 synthetase II	pir:B69115				B69115	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14648587_c3_286	4058	9280	1033	3102	556	1.2e-50
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098	pir:S75130				S75130	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14667192_f2_90	4059	9281	737	2214	623	4.4e-72
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
Tri r 4 allergen	gp:AF082514				AF082514	
<u>Description</u>						
Trichophyton rubrum Tri r 4 allergen mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
188135_c2_259	4060	9282	556	1671	264	1.0e-35
Protein name			Locus Name		Acc#	
			sp:YCLF_BACSU		P94408	

Description

HYPOTHETICAL 53.3 KD PROTEIN IN SFP-GERKA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19709682_c1_235	4061	9283	207	621	549	5.9e-53
Protein name			Locus Name		Acc#	
CDP-4-keto-6-deoxy-D-glucose-3-dehydrase			pir:E47070		E47070	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19742217_f1_44	4062	9284	189	570		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19785941_c2_237	4063	9285	476	1431	597	2.6e-103
Protein name			Locus Name		Acc#	
			sp:YBHF_ECOLI		P75776	

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN YBHF

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1992182_f2_107	4064	9286	112	339		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20195302_f3_161	4065	9287	452	1359	83	0.016

Protein name

Locus Name

Acc#

sp:YK58_YEAST

P36158

Description

HYPOTHETICAL 68.3 KD PROTEIN IN SIS2-MTD1 INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20321015_c2_242	4066	9288	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20364090_c3_324	4067	9289	958	2877	331	1.2e-25

Protein name

Locus Name

Acc#

hypothetical protein C26D10.4

pir:T19486

T19486

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20595050_c2_261	4068	9290	409	1230	385	1.4e-35

Protein name

Locus Name

Acc#

hypothetical protein SC5C7.08 SC5C7.08

pir:T35215

T35215

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21522003_c3_318	4069	9291	142	429		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22438202_c1_233	4070	9292	172	519	180	7.4e-14

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22462760_c2_238	4071	9293	367	1104	470	1.4e-44

Protein name

Locus Name

Acc#

sp:YBHS_ECOLI

P75775

Description

HYPOTHETICAL 42.1 KD PROTEIN IN MOAE-RHLE INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22930450_c2_236	4072	9294	179	540	146	1.4e-09

Protein name

Locus Name

Acc#

sp:YHII_ECOLI

P37626

Description

(F355)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23459636_f3_160	4073	9295	117	354		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23516000_c1_213	4074	9296	93	282		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23594055_c1_190	4075	9297	116	351	90	0.00026

Protein name

Locus Name

Acc#

sp:Y13B_BPT4

P17308

Description

HYPOTHETICAL 11.5 KD PROTEIN IN GP31-CD INTERGENIC REGION (ORF B)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23642175_f1_11	4076	9298	424	1275		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23926877_c1_214	4077	9299	485	1458		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23986057_f1_22	4078	9300	447	1344	363	6.7e-36

Protein name

Locus Name

Acc#

damage-inducible protein PAB0243

pir:A75151

A75151

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24225316_c1_197	4079	9301	150	453	284	7.1e-25

Protein name

Locus Name

Acc#

hypothetical protein MTH1854

pir:A69115

A69115

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257937_c1_204	4080	9302	363	1092	117	2.1e-06

Protein name

Locus Name

Acc#

hypothetical protein PAB0603

pir:E75137

E75137

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24400285_f3_156	4081	9303	259	780	132	2.1e-06

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:F75328

F75328

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648876_f2_100	4082	9304	237	714		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24820300_c2_241	4083	9305	200	603	122	1.4e-05

Protein name

Locus Name

Acc#

sp:XERC_SALTY

P55888

Description

INTEGRASE/RECOMBINASE XERC

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25429715_c3_323	4084	9306	546	1641	935	5.8e-112

Protein name

Locus Name

Acc#

helicase

gp:RNDNAB

Y13813

Description

Rhodothermus marinus dnaB gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25601662_c1_189	4085	9307	105	318		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26574061_f2_106	4086	9308	244	735	472	8.5e-45
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
sanA protein	pir:D75549				D75549	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26594082_c1_222.....	4087	9309	192	579	559	5.1e-54
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
Na-translocating NADH-quinone reductase, Nqr5 subunit	pir:A72399				A72399	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26744012_c1_200.....	4088	9310	943	2832	2616	5.4e-272
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
	sp:UVRA_BACSU				034863	
<u>Description</u>						
EXCINUCLEASE ABC SUBUNIT A						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26758427_c3_321.....	4089	9311	202	609	555	1.4e-53
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
Na-translocating NADH-quinone reductase, Nqr4 subunit	pir:H72398				H72398	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2944087_c1_203	4090	9312	115	348	225	1.3e-18
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
conserved hypothetical protein SCE20.33c.			gp:SCE20		AL136058	
<u>Description</u>						
Streptomyces coelicolor cosmid E20.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3025037_c3_287	4091	9313	705	2118	220	5.5e-21
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
site-specific recombinase			gp:D86934		D86934	
<u>Description</u>						
Staphylococcus aureus genes, mec region, partial and complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397127_c2_254	4092	9314	116	351		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34022187_c2_272	4093	9315	334	1005	766	5.9e-76
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
Na-translocating NADH-quinone reductase, Nqr2 subunit			pir:F72398		F72398	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34179712_f3_154	4094	9316	682	2049	1936	6.2e-200
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Protein name

Locus Name

Acc#

sp:UVRB_BACSU

Description

EXCINUCLEASE ABC SUBUNIT B (DINA PROTEIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35344626_c1_201	4095	9317	176	531	355	2.1e-32
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Protein name

Locus Name

Acc#

sp:EBSC_ENTFA

P36922

Description

EBSC PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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36129012_c2_239	4096	9318	275	828	312	7.6e-28
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Protein name

Locus Name

Acc#

sp:YBHR_ECOLI

P75774

Description

HYPOTHETICAL 41.6 KD PROTEIN IN MOAE-RHLE INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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36350812_f1_25	4097	9319	62	189		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3940668_f1_45	4098	9320	657	1974	237	8.1e-32

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
conserved hypothetical protein ylbK	pir:H69874	H69874

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3945187_f3_137	4099	9321	542	1629	1569	4.8e-161

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:PYRG_BACSU	P13242

Description

CTP SYNTHASE, (UTP--AMMONIA LIGASE) (CTP SYNTHETASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3945301_g3_319	4100	9322	293	882	231	2.9e-19

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YDGM_ECOLI	P77223

Description

PUTATIVE FERREDOXIN-LIKE PROTEIN IN ADD-NTH INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
39642_g3_327	4101	9323	196	591	841	6.7e-84

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
dTDP-6-deoxy-D-glucose-3,5 epimerase	gp:AF048749	AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4069800_c2_246	4102	9324	81	246	100	2.2e-05

Protein name

Locus Name

Acc#

sp:RPC_BPPHI

Description

IMMUNITY REPRESSOR PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
424002_f3_165	4103	9325	180	543	178	4.7e-13

Protein name

Locus Name

Acc#

alanine--tRNA ligase,

pir:E72216

E72216

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4328380_c2_282.....	4104	9326	298	897	1398	6.3e-143

Protein name

Locus Name

Acc#

glucose-1-phosphate thymidyl transferase

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4455000_c1_223.....	4105	9327	364	1095	864	2.4e-86

Protein name

Locus Name

Acc#

sp:GALE_BACSU

P55180

Description

GALACTOSE 4-EPIMERASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4507781_f2_73	4106	9328	277	834	322	6.6e-29
Protein name			Locus Name			Acc#
			sp:YABH_BACSU			P37550

Description

HYPOTHETICAL 31.7 KD PROTEIN IN SSPF-PURR INTERGENIC REGION (ORF1)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4865687_f3_150	4107	9329	598	1797	156	2.2e-08
Protein name			Locus Name			Acc#
cell wall-binding protein homolog yoch			pir:E69901			E69901

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4876682_c3_320	4108	9330	452	1359	986	2.9e-99
Protein name			Locus Name			Acc#
hypothetical protein TM0244			pir:E72398			E72398

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5095262_f3_129	4109	9331	423	1272		
Protein name			Locus Name			Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6027187_c1_220	4110	9332	279	840	221	3.3e-18
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YDGP_ECOLI		P77285	

Description

HYPOTHETICAL 21.9 KD PROTEIN IN ADD-NTH INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
788125_f3_157	4111	9333	548	1647	122	0.00083
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
ORF MSVI98 MTG motif gene family protein			gp:AF063866		AF063866	

Description

Melanoplus sanguinipes entomopoxvirus, complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
911251_c2_253	4112	9334	275	828	155	6.0e-09
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein aq_1273			pir:C70410		C70410	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9680_f3_153	4113	9335	71	216		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9865837_c3_326	4114	9336	177	534	233	1.8e-19

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9921876_c3_295	4115	9337	161	486		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9932642_c1_183	4116	9338	106	321	92	0.00016

Protein name

Locus Name

Acc#

gp:D90716

Description

Escherichia coli genomic DNA. (17.6 - 18.0 min).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11131528_c2_62	4117	9339	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
11133437_f1_3	4118	9340	1168	3507	480	6.8e-42

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PG1130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
11719042_f1_1	4119	9341	810	2433	1607	4.5e-165

Protein name

Locus Name

Acc#

probable polyribonucleotide
nucleotidyltransferase (pnp)

pir:C71269

C71269

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
13869003_f3_31	4120	9342	538	1617	135	2.9e-05

Protein name

Locus Name

Acc#

cell surface antigen-like protein A29L

pir:T17519

T17519

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
14650277_f1_7	4121	9343	253	762		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26364040_f1_5	4122	9344	86	261		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3907687_f3_28	4123	9345	313	942	115	0.00025

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4104632_c2_56	4124	9346	374	1125	974	5.4e-98

Protein name

Locus Name

Acc#

butyrate kinase

gp:AB016775

AB016775

Description

Clostridium perfringens DNA for butyrate kinase and hydrogenase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4303262_f2_13	4125	9347	189	570	196	1.5e-15

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4305337_f1_4	4126	9348	542	1629		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4765625_c2_73	4127	9349	250	750		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4820378_c2_61	4128	9350	107	324		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6438187_c1_38	4129	9351	317	954	476	3.2e-45

Protein name Locus Name Acc#

sp:PTB_CLOAB Q05624

Description

PHOSPHATE BUTYRYLTRANSFERASE, (PHOSPHOTRANSBUTYRYLASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9923505_f1_6	4130	9352	548	1647		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15834557_f1_1	4131	9353	88	267		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
831550_f1_2	4132	9354	388	1164	452	1.4e-41

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1959377_f2_2	4133	9355	71	216	93	0.0021

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

maturase-like protein	gp:CPESPSBC	AJ222583
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Description

Euglena spirogyra chloroplast partial psbC gene & complete internalmat2 gene.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24736386_c3_3	4134	9356	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14241518_c1_63	4135	9357	79	240	116	4.5e-07

Protein name

Locus Name

Acc#

iron(II) transport protein A

pir:C72423

C72423

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15017517_f3_37	4136	9358	790	2373	912	2.0e-91

Protein name

Locus Name

Acc#

sp:PBPC_ECOLI

P76577

Description

BIFUNCTIONAL PENICILLIN-BINDING PROTEIN 1C PRECURSOR (PBP-1C)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19692186_f1_3	4137	9359	442	1329	391	1.1e-43

Protein name

Locus Name

Acc#

cell cycle protein homolog mesJ

pir:T31465

T31465

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24067651_f1_15	4138	9360	182	549	137	2.7e-09

Protein name

Locus Name

Acc#

vsrD protein

pir:I40540

I40540

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31803882_f2_28	4139	9361	350	1053	635	4.5e-62
Protein name			Locus Name		Acc#	
conserved hypothetical protein			pir:H72370		H72370	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32112785_c3_93	4140	9362	93	282		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32228163_c1_64	4141	9363	299	897	371	1.7e-40
Protein name			Locus Name		Acc#	
			sp:FE0B_METJA		Q57986	
Description						

FERROUS IRON TRANSPORT PROTEIN B HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33785957_f1_14	4142	9364	208	627		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34183437_f2_29	4143	9365	482	1449	751	2.3e-74
Protein name			Locus Name		Acc#	
Na+/H+ antiporter homolog yheL			pir:D69829		D69829	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4376056_c1_61	4144	9366	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4423751_f3_38	4145	9367	394	1185	572	2.1e-55

Protein name

Locus Name

Acc#

antibiotic resistance protein homolog ydeR

pir:D69779

D69779

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
648382_f1_4	4146	9368	1870	5613	644	1.5e-60

Protein name

Locus Name

Acc#

hypothetical protein b2520

pir:G65028

G65028

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10603135_f1_6	4147	9369	161	486	162	6.0e-12

Protein name

Locus Name

Acc#

hypothetical protein CT276

pir:A71535

A71535

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1179767_f1_7	4148	9370	421	1266		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1251313_c1_26	4149	9371	386	1161	1228	6.5e-125

Protein name

Locus Name

Acc#

sp:SYW_CLOLO

Q46127

Description

(TRPRS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20975051_f1_1	4150	9372	399	1200	396	9.6e-37

Protein name

Locus Name

Acc#

Immunoreactive 42kD antigen PG33

gp:AF175715

AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23595253_c1_22	4151	9373	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24494037_f3_15	4152	9374	304	915		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25516062_f2_10	4153	9375	529	1587	220	1.1e-14

Protein name	Locus Name	Acc#
immunogenic 75 kDa protein PG4	gp:AF145800	AF145800

Description

Porphyromonas gingivalis strain W50 immunogenic 75 kDa protein PG4gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30210933_f3_13	4154	9376	332	999	144	4.2e-07

Protein name	Locus Name	Acc#
transposase	gp:AF038866	AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33242837_f2_9	4155	9377	202	609		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4718936_f3_12	4156	9378	1081	3246	3056	0.0

Protein name	Locus Name	Acc#

sp:PYRI_DICDI	P20054
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7140652_c3_50	4157	9379	112	339	82	0.032

Protein name

Locus Name

Acc#

EntT

gp:AF099088

AF099088

Description

Enterococcus faecium enterocin A (entA), EntI (entI), EntF (entF), EntK (entK), EntR (entR), bacteriocin-like protein, EntT (entT), EntD (entD), and protease IV homolog genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10741300_f3_30	4158	9380	191	576		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1210910_f2_18	4159	9381	389	1170	252	8.5e-29

Protein name

Locus Name

Acc#

proline dipeptidase

pir:D75419

D75419

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
135050_f3_22	4160	9382	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14651386_f3_29	4161	9383	471	1416	2343	4.6e-243

Protein name

Locus Name

Acc#

sp:DHE4_BACFR

P94316

Description

(NAD(P)H-DEPENDENT GLUTAMATE DEHYDROGENASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24251553_c2_40	4162	9384	248	747		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24661587_c2_41	4163	9385	201	606		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24895037_c2_39	4164	9386	994	2985	152	8.9e-06

Protein name

Locus Name

Acc#

probable phosphoenolpyruvate synthase APE0026

pir:E72754

E72754

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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26288137_f1_7	4165	9387	81	246	114	1.2e-05
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Protein name

Locus Name

Acc#

sp:PPCE_HUMAN

P48147

Description

(PE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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3959800_c3_48	4166	9388	274	825		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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16493766_c1_41	4167	9389	104	315		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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20510052_f3_39	4168	9390	63	192		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23627302_f3_40	4169	9391	336	1011	117	0.00030

Protein name	Locus Name	Acc#
transmembrane sensor	gp:AF051691	AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24354562_c3_66	4170	9392	515	1548		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642186_c2_55.....	4171	9393	545	1638	156	3.2e-07

Protein name	Locus Name	Acc#
unknown	gp:U96771	U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24736386_c2_48.....	4172	9394	62	189		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
26376562_c2_54	4173	9395	452	1359	477	2.9e-44

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:Susc protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
29462512_f1_12	4174	9396	201	606	182	4.5e-14

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
34171886_c2_51	4175	9397	583	1752	110	1.2e-07

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase,B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
36442805_c1_43	4176	9398	1128	3387	561	2.1e-86

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encodinga major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3929183_c1_47	4177	9399	496	1491		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
831550_c1_46	4178	9400	648	1947	588	3.1e-56

Protein name	Locus Name	Acc#

115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
831550_c3_61	4179	9401	1140	3423	801	5.2e-88

Protein name	Locus Name	Acc#

receptor antigen (RagA)	gp:PGI130872	AJ130872
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Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
990937_c1_45	4180	9402	591	1776	121	0.00017

Protein name	Locus Name	Acc#

outer membrane protein	gp:BNROMPB	L77614
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Description

Bacteroides thetaiotaomicron outer membrane protein (susD) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1208550_f2_43	4181	9403	169	510		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12947287_f3_65	4182	9404	87	264		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13869003_f1_15	4183	9405	161	486	215	1.4e-17

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14478901_c2_102	4184	9406	77	234		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15103800_f1_19	4185	9407	94	285	78	0.018

Protein name

Locus Name

Acc#

response regulator

gp:AF130997

AF130997

Description

Enterococcus faecium strain BM4339 vanD glycopeptide resistance gene cluster, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15822833_f2_21	4186	9408	76	231	198	5.1e-15

Protein name

Locus Name

Acc#

conserved hypothetical protein yisQ

pir:H69837

H69837

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16601633_g2_120	4187	9409	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16603427_f2_40	4188	9410	402	1209	1820	1.2e-187

Protein name

Locus Name

Acc#

UDP-ManNAc dehydrogenase

gp:AF125164

AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_c2_101	4189	9411	431	1296	1723	2.3e-177
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:JQ1020				JQ1020	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20782802_f3_58	4190	9412	81	246		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21672181_c3_137	4191	9413	278	837		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22469452_f1_14	4192	9414	174	525	174	3.2e-13
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
unknown	gp:AF048749				AF048749	
<u>Description</u>						

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22657551_c1_94	4193	9415	565	1698	539	7.9e-58
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
long-chain-fatty-acid CoA ligase	pir:D70386				D70386	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22658450_F2_46	4194	9416	72	219	156	2.7e-10
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
arylsulfotransferase	gp:AF126201				AF126201	
<u>Description</u>						
Pseudomonas putida strain S-313 sulfate ester desulfurization genelocus, complete sequence.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22736336_c2_99	4195	9417	103	312		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22860128_c3_125	4196	9418	83	252	64	0.031
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
					sp:SPRC_XENLA	P36378
<u>Description</u>						
(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22899000_f1_17	4197	9419	114	345	59	0.0024

Protein name

Locus Name

Acc#

retinoid X receptor alpha homolog

gp:UPU31832

U31832

Description

Uca pugilator retinoid X receptor alpha homolog mRNA, DNA binding domain region, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24035212_c2_110	4198	9420	129	390		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24242700_c3_140	4199	9421	364	1095	569	6.8e-86

Protein name

Locus Name

Acc#

GDP-L-fucose pathway enzyme

gp:AB008676

AB008676

Description

Escherichia coli 0157 DNA, map position at 46 min., complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24806501_c1_95	4200	9422	386	1161	153	9.9e-08

Protein name

Locus Name

Acc#

probable PPE protein

pir:D70604

D70604

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2547261_f2_37	4201	9423	83	252		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2598842_f1_18	4202	9424	69	210	57	0.041

Protein name

Locus Name

Acc#

gp:F23A5

AC011713

Description

Arabidopsis thaliana chromosome 1 BAC F23A5 sequence, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2742755_f2_47	4203	9425	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29693877_f2_41	4204	9426	390	1173	1608	3.5e-165

Protein name

Locus Name

Acc#

UDP-GlcNAc 2-epimerase

gp:AF125164

AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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31444127_f3_51	4205	9427	673	2022	1578	5.3e-162
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Protein name	Locus Name	Acc#
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fructose-bisphosphatase,	pir:C69621	C69621
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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3314078_f3_71	4206	9428	133	402	125	3.9e-07
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Protein name	Locus Name	Acc#
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probable lipopolysaccharide O-side chain biosynthesis protein (O-antigen transpoter)	pir:F71152	F71152
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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34266886_c3_136	4207	9429	122	369		
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Protein name	Locus Name	Acc#
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Description

NO-HIT						
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35166437_f2_39	4208	9430	89	270		
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Protein name	Locus Name	Acc#
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Description

NO-HIT						
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35343753_c1_77	4209	9431	61	186		
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Protein name	Locus Name	Acc#
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Description

NO-HIT						
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36134625_f2_36	4210	9432	296	891	1351	6.0e-138

Protein name	Locus Name	Acc#
glucose-1-phosphate thymidyl transferase	gp:AF048749	AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4469002_f3_50	4211	9433	556	1671	955	5.6e-96

Protein name	Locus Name	Acc#
	sp:YIDE_ECOLI	

Description

HYPOTHETICAL 58.9 KD PROTEIN IN GLVC-IBPB INTERGENIC REGION (ORFA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4694052_f3_67	4212	9434	343	1032	1134	6.0e-115

Protein name	Locus Name	Acc#
Cap8E	gp:SAU73374	U73374

Description

Staphylococcus aureus type 8 capsule genes, cap8A, cap8B, cap8C, cap8D, cap8E, cap8F, cap8G, cap8H, cap8I, cap8J, cap8K, cap8L, cap8M, cap8N, cap8O, cap8P, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4720327_f3_62	4213	9435	187	564	792	1.0e-78

Protein name	Locus Name	Acc#
dTDP-6-deoxy-D-glucose-3,5 epimerase	gp:AF048749	AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4941937_c2_112	4214	9436	374	1125	1219	5.9e-124

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
GDP-mannose dehydratase	gp:AF047478	

Description

Brucella melitensis strain 16M lipopolysaccharide O side chain biosynthesis gene cluster, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5115927_f2_42	4215	9437	364	1095	475	4.1e-45

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
pleiotropic regulatory protein DegT	pir:D69025	D69025

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5878176_f3_68	4216	9438	83	252	76	0.048

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
reverse transcriptase like protein 1, intron-encoded	pir:S58503	S58503

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7062750_f2_44	4217	9439	358	1077	334	3.6e-30

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
aspartate aminotransferase (aspb-likel)	pir:D75096	D75096

PAB0774

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7314165_f1_11	4218	9440	360	1083	407	6.5e-38
Protein name			Locus Name		Acc#	
			sp:YA38_HAEIN		P44099	

Description

HYPOTHETICAL PROTEIN HI1038

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
828957_f3_64	4219	9441	83	252		
Protein name			Locus Name		Acc#	

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10737801_c3_238.....	4220	9442	471	1416	718	7.2e-71
Protein name			Locus Name		Acc#	
probable oxidoreductase			gp:SCF11		AL132662	

Description

Streptomyces coelicolor cosmid F11.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11877138_c2_215.....	4221	9443	319	960	372	3.3e-34
Protein name			Locus Name		Acc#	

shikimate 5-dehydrogenase

pir:F70377

F70377

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

11963262_c3_239	4222	9444	263	792	334	3.6e-30
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Protein name	Locus Name	Acc#
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conserved hypothetical protein	pir:G72409	G72409
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

12507691_c2_217	4223	9445	274	825	478	2.0e-45
-----------------	------	------	-----	-----	-----	---------

Protein name	Locus Name	Acc#
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lemA protein	pir:F72311	F72311
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

12539091_c2_230	4224	9446	862	2589	493	2.9e-46
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Protein name	Locus Name	Acc#
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sp:ALR2_BACSU	P94494
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Description

PUTATIVE ALANINE RACEMASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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15051562_c1_181	4225	9447	96	291		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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15657052_c2_211	4226	9448	169	510		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
15829675_f2_57	4227	9449	525	1578	137	2.3e-05

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
16131877_c2_231	4228	9450	272	819	318	1.7e-31

Protein name

Locus Name

Acc#

conserved hypothetical integral membrane protein HP1061

pir:E64652

E64652

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
20089042_c2_205	4229	9451	1043	3132	1063	1.2e-194

Protein name

Locus Name

Acc#

beta-galactosidase

pir:F72283

F72283

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
20710888_f3_138	4230	9452	100	303	72	0.043

Protein name

Locus Name

Acc#

glutamine-asparagine rich protein

gp:DDU07817

U07817

Description

Dictyostelium discoideum AX3 glutamine-asparagine rich protein gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22147552_c2_232	4231	9453	397	1194	268	8.0e-22
Protein name			Locus Name		Acc#	
3-O-acyltransferase, MdmB:midecamycin biosynthesis enzyme			pir:A42719		A42719	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23492786_c2_228	4232	9454	85	258		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23632187_c1_184	4233	9455	262	789	536	1.4e-51
Protein name			Locus Name		Acc#	
			sp:LPXA_ECOLI			
Description						
(EC 2.3.1.129) (UDP-N-ACETYLGLUCOSAMINE ACYLTRANSFERASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23712776_c2_218	4234	9456	389	1170	177	1.1e-23
Protein name			Locus Name		Acc#	
			sp:PUR5_METJA		Q57656	
Description						
(AIRS) (PHOSPHORIBOSYL-AMINOIMIDAZOLE SYNTHETASE) (AIR SYNTHASE)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23850828_c3_254	4235	9457	86	261		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23867302_c2_222	4236	9458	230	693		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24038577_c2_219	4237	9459	370	1113	899	4.8e-90

Protein name

Locus Name

Acc#

sp:RF1_COXBU

P47849

Description

PEPTIDE CHAIN RELEASE FACTOR 1 (RF-1)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24119033_c2_227	4238	9460	130	393		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24223382_c2_206	4239	9461	368	1107	566	9.2e-55

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein slr1880	pir:S77134	S77134

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24299131_c3_257	4240	9462	72	219	70	0.033

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
ribosomal protein L20	pir:A75326	A75326

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24391561_c3_248	4241	9463	548	1647	395	1.2e-36

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YUAG_BACSU	032076

Description

HYPOTHETICAL 56.0 KD PROTEIN IN GLGB-GBSB INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24408457_c1_198	4242	9464	1180	3543	535	7.0e-59

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein sl11582	pir:S75309	S75309

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24634681_c3_256	4243	9465	462	1389	382	2.7e-44

Protein name

Locus Name

Acc#

sp:LPXC_HAEIN

P45070

Description

(EC 3.5.1.-)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640752_f2_45	4244	9466	417	1254		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651553_c2_220.....	4245	9467	248	747	404	1.4e-37

Protein name

Locus Name

Acc#

OMP decarboxylase-ototate phosphoribosyl transferase,

pir:T30520

T30520

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24695302_c3_249.....	4246	9468	251	756	465	4.7e-44

Protein name

Locus Name

Acc#

ubiquinone/menaquinone biosynthesis methyltransferase

pir:F75277

F75277

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24735830_c3_258	4247	9469	395	1188		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24801442_f2_44	4248	9470	76	231	90	0.0023

Protein name Locus Name Acc#

probable glycosyl hydrolase pir:T36467 T36467

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26211057_f1_36	4249	9471	601	1806	91	0.017

Protein name Locus Name Acc#

polygalacturonase precursor pir:S57806 S57806

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26361438_f2_82	4250	9472	226	681		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29344691_f3_110	4251	9473	703	2112	255	8.9e-21

Protein name Locus Name Acc#

histidine kinase gp:SPAJ6393 AJ006393

Description

Streptococcus pneumoniae rr03 and hk03 genes; two component system03.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31520840_f2_95	4252	9474	80	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33235880_f2_55	4253	9475	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33612762_f2_81	4254	9476	318	957	204	5.2e-16

Protein name

Locus Name

Acc#

hypothetical protein aq_246

pir:E70322

E70322

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34173175_c2_214	4255	9477	318	957	611	1.6e-59

Protein name

Locus Name

Acc#

sp:PUR7_ARATH

P38025

Description

(EC 6.3.2.6) (SAICAR SYNTHETASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34546942_f2_80	4256	9478	399	1200	195	7.7e-15

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:C72361

C72361

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35396062_f1_14	4257	9479	79	240		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35401883_f1_43	4258	9480	147	444		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36523452_c2_216	4259	9481	316	951	327	2.0e-29

Protein name Locus Name Acc#

sp:YQKD_BACSU P54567

Description

HYPOTHETICAL 34.6 KD PROTEIN IN GLNQ-ANSR INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3948392_c3_255	4260	9482	349	1050	577	6.3e-56

Protein name Locus Name Acc#

sp:LPXD_RICRI P32202

Description

(EC 2.3.1.-) (FIRA PROTEIN) (RIFAMPICIN RESISTANCE PROTEIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3956556_c2_223	4261	9483	304	915	525	2.0e-50

Protein name

Locus Name

Acc#

trNA isopentenylpyrophosphate transferase
miaA

pir:G69657

G69657

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
424042_f1_37	4262	9484	264	795	404	1.4e-37

Protein name

Locus Name

Acc#

sp:TRUA_BACSU

P70973

Description

I) (PSEUDOURIDINE SYNTHASE I) (URACIL HYDROLYASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4351562_c3_250	4263	9485	375	1128	255	1.2e-30

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G72311

G72311

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4711562_f3_135	4264	9486	230	693		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4767252_c1_174	4265	9487	340	1023	710	5.1e-70

Protein name

Locus Name

Acc#

gp:BMAJ4829

AJ224829

Description

Bacillus megaterium DSM319 spoIV operon, 5' flanking region, 3' flanking region.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5082512_c3_265	4266	9488	332	999		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6360910_c1_196	4267	9489	79	240	155	3.3e-11

Protein name

Locus Name

Acc#

conserved hypothetical secreted protein
HP0320

pir:H64559

H64559

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7126431_c1_185	4268	9490	61	186	72	0.020

Protein name

Locus Name

Acc#

leech zinc finger protein

gp:HTDNALZF1

X91396

Description

H.triserialis Lzf1 gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
85882_f2_56	4269	9491	135	408	147	2.3e-10

Protein name

Locus Name

Acc#

sp:MECI_STAEP

P26598

Description

METHICILLIN RESISTANCE REGULATORY PROTEIN MECI

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
992787_c2_221	4270	9492	437	1314	498	1.5e-47

Protein name

Locus Name

Acc#

sp:YWFO_BACSU

P39651

Description

HYPOTHETICAL 51.0 KD PROTEIN IN PTA 3'REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14922291_c3_55	4271	9493	287	864		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22079700_f2_11	4272	9494	174	525	362	3.8e-33

Protein name

Locus Name

Acc#

sp:RODA_ECOLI

Description

ROD SHAPE-DETERMINING PROTEIN RODA

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23495336_c3_52	4273	9495	115	348		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_c2_42	4274	9496	100	303	105	6.6e-06

Protein name	Locus Name	Acc#

hypothetical protein PH0217	pir:G71244	G71244
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23944506_c2_39	4275	9497	63	192	108	3.2e-06

Protein name	Locus Name	Acc#

hypothetical protein PH0219	pir:A71245	A71245
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24417061_c1_33	4276	9498	362	1089	389	5.3e-36

Protein name	Locus Name	Acc#

sp:METF_AQUAE	067422
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Description

5,10-METHYLENETETRAHYDROFOLATE REDUCTASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
282708_c3_45	4277	9499	60	183		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5332506_c2_38	4278	9500	95	288	73	0.034

Protein name

Locus Name

Acc#

hypothetical protein PH0220

pir:B71245

B71245

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
579667_c2_43	4279	9501	492	1479	418	4.5e-39

Protein name

Locus Name

Acc#

sp:YAAT_BACSU

P37541

Description

HYPOTHETICAL 31.2 KD PROTEIN IN XPAC-ABRB INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9658_c1_34	4280	9502	370	1113	168	1.1e-19

Protein name

Locus Name

Acc#

DNA polymerase III gamma subunit

pir:A70460

A70460

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10838905_c1_26	4281	9503	97	294		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11197928_f1_1	4282	9504	828	2487	649	4.5e-112

Protein name

Locus Name

Acc#

sp:BGLS_AGRTU

P27034

Description

GLUCOSIDE GLUCOHYDROLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12698552_c3_72	4283	9505	325	978	398	5.9e-37

Protein name

Locus Name

Acc#

sp:MMSR_PSEAE

P28809

Description

MMSAB OPERON REGULATORY PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19944466_f1_9	4284	9506	348	1047		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2031705_f1_2	4285	9507	482	1449	847	1.5e-84

Protein name

Locus Name

Acc#

L-arabinose transport (permease) araE

pir:F69587

F69587

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651537_f2_14	4286	9508	1102	3309	2097	5.4e-217

Protein name

Locus Name

Acc#

sp:YPHG_ECOLI

P76585

Description

HYPOTHETICAL 127.3 KD PROTEIN IN CSIE-GLYA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34069436_f1_8	4287	9509	940	2823	261	2.5e-18

Protein name

Locus Name

Acc#

beta-galactosidase

gp:AF055482

AF055482

Description

Thermotoga neapolitana galactose utilization operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15789087_g2_51	4288	9510	224	675	179	9.5e-14

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16131437_f2_20	4289	9511	439	1320	118	0.0015

Protein name

Locus Name

Acc#

BcDNA.GH11973

gp:AF145671

AF145671

Description

Drosophila melanogaster clone GH11973 BcDNA.GH11973 (BcDNA.GH11973)mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20895303_f2_21	4290	9512	1227	3684		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
212752_c3_69	4291	9513	814	2445	518	1.2e-46

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24335781_f3_25	4292	9514	140	423	77	0.0064

Protein name

Locus Name

Acc#

sp:NOLP_RHILP

P23717

Description

NODULATION PROTEIN NOLP

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25494062_c2_50	4293	9515	84	255		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594067_c1_39	4294	9516	320	963	155	1.2e-08

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103377_f3_30	4295	9517	119	360		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13878550_f3_40	4296	9518	548	1647	2831	8.9e-295

Protein name

Locus Name

Acc#

neuraminidase precursor

gp:BNRNANASE

D28493

Description

Bacteroides fragilis nanH gene for neuraminidase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14876300_c2_90	4297	9519	532	1599	139	6.7e-08

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16267638_c2_67	4298	9520	93	282		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21595663_f3_39.....	4299	9521	1083	3252	519	4.8e-84

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22861562_f2_28.....	4300	9522	861	2586	1101	1.9e-111

Protein name

Locus Name

Acc#

hypothetical protein TM1624

pir:H72228

H72228

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24256587_f2_17.....	4301	9523	549	1650	125	1.5e-06

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24259683_f2_27	4302	9524	691	2076	331	8.1e-35
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Protein name	Locus Name	Acc#
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sialic-acid O-acetylesterase	gp:MMU40408	U40408
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Description

Mus musculus lysosomal sialic acid O-acetylesterase mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24415877_f3_33	4303	9525	521	1566	107	1.2e-07
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Protein name	Locus Name	Acc#
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unknown	gp:U96771	U96771
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Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24429036_c1_51	4304	9526	64	195		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24640892_f2_23	4305	9527	673	2022		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648937_f3_41	4306	9528	209	630	126	2.6e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:PA1B_RAT		035264	
<u>Description</u>						
ACTIVATING FACTOR ACETYLHYDROLASE ALPHA 2 SUBUNIT) (PAF-AH ALPHA 2)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2772937_c2_89	4307	9529	1093	3282	528	3.0e-89
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33243818_f2_13	4308	9530	434	1305	740	1.2e-84
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
alpha-L-fucosidase, 1 precursor, tissue:alpha-L-fucosidase I:alpha-L-fucoside fucosidase			pir:HWHUFA			
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34416427_f1_11	4309	9531	672	2019	310	9.2e-26
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:HEXA_PORGI		P49008	
<u>Description</u>						
(BETA-NAHASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35351583_c3_124	4310	9532	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4140927_f3_43	4311	9533	518	1557	1139	1.8e-115

Protein name

Locus Name

Acc#

sp:HEXA_PORGI

P49008

Description

(BETA-NAHASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4484687_f3_32	4312	9534	529	1590	119	1.8e-06

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5109392_c1_64	4313	9535	173	522		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781932_f1_4	4314	9536	1118	3357	463	5.9e-82

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781932_f2_16	4315	9537	1102	3309	526	5.1e-83

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781932_f3_31	4316	9538	1120	3363	529	2.6e-79

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
859438_c3_108	4317	9539	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1206500_f1_15	4318	9540	385	1158	465	4.7e-44

Protein name

Locus Name

Acc#

probable nagA protein

pir:C70845

C70845

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1272677_f3_45	4319	9541	398	1197	384	1.8e-35

Protein name

Locus Name

Acc#

hypothetical protein b1325

pir:H64881

H64881

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14656257_f1_8	4320	9542	451	1356	479	2.7e-48

Protein name

Locus Name

Acc#

hypothetical protein

pir:A72430

A72430

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1959437_f1_18	4321	9543	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2147656_f2_25	4322	9544	406	1221	225	3.8e-18

Protein name

Locus Name

Acc#

polysugar degrading enzyme homolog ykfc

pir:A69856

A69856

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_c1_62	4323	9545	100	303	111	1.5e-06
Protein name			Locus Name			Acc#
hypothetical protein PH0217			pir:G71244			G71244
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24407827...f3...50.....	4324	9546	521	1566	600	2.3e-58
Protein name			Locus Name			Acc#
			sp:HTRA_ECOLI			
Description						
PROTEASE DO PRECURSOR,						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24642211...f2...30.....	4325	9547	135	408		
Protein name			Locus Name			Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24665887...f2...20.....	4326	9548	230	693	287	3.4e-25
Protein name			Locus Name			Acc#
phosphate transport system regulator PhoU			pir:G72275			G72275
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25977212...f1...3.....	4327	9549	69	210		
Protein name			Locus Name			Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26367177_c3_110	4328	9550	439	1320	253	2.2e-19
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
sensory protein kinase			pir:T30222			T30222
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2931525_f2_31	4329	9551	394	1185	192	3.3e-12
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
clostripain-related protein			pir:B72351			B72351
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30494212_f3_51	4330	9552	95	288		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397186_f1_10	4331	9553	301	906	933	1.2e-93
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
SigA			gp:CTU67718			U67718
<u>Description</u>						

Chlorobium tepidum SigA (sigA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33398377_f3_43	4332	9554	205	618	384	1.8e-35

Protein name

Locus Name

Acc#

sp:RISA_BACSU

Description

RIBOFLAVIN SYNTHASE ALPHA CHAIN,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33863876_c2_96	4333	9555	527	1584		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35366625_f2_37.....	4334	9556	128	387		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36430393_f3_44.....	4335	9557	189	570	141	4.2e-15

Protein name

Locus Name

Acc#

sp:YDGI_BACSU

P96707

Description

POTATIVE NAD(P)H NITROREDUCTASE YDGI,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36525157_f2_19	4336	9558	125	378	496	2.4e-47
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
phosphate transport ATP binding protein			pir:G70390			G70390
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
390826_c1_76	4337	9559	451	1356	382	2.9e-35
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
			sp:RBN_HAEIN			P44608
<u>Description</u>						
RIBONUCLEASE BN, (RNASE BN)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4881450_c3_112	4338	9560	157	474		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6674062_c3_113	4339	9561	283	852		
<u>Protein name</u>			<u>Locus Name</u>			<u>Acc#</u>
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
78158_c1_67	4340	9562	236	711	383	2.3e-35

Protein name

Locus Name

Acc#

sp:PHOP_BACSU

P13792

Description

PHOP

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15103800_c3_56	4341	9563	94	285	78	0.018

Protein name

Locus Name

Acc#

response regulator

gp:AF130997

AF130997

Description

Enterococcus faecium strain BM4339 vanD glycopeptide resistance gene cluster, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
157263_c3_59	4342	9564	385	1158		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_c1_38	4343	9565	431	1296	1723	2.3e-177

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_f3_33	4344	9566	208	624	710	5.1e-70

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein	pir:JQ1020	JQ1020
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
188967_f3_26	4345	9567	91	276		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20087753_c3_63	4346	9568	317	954	1426	6.8e-146

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
putative UDP-GlcNAc:undecaprenylphosphate	gp:AF048749	AF048749
<u>Description</u>		

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2040937_c2_52	4347	9569	253	762	207	1.0e-16

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
putative glycosyl transferase	gp:LPN7311	AJ007311
<u>Description</u>		

Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesis gene cluster.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20594161_c3_61	4348	9570	91	276		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22658450_c1_34	4349	9571	72	219	156	2.7e-10

Protein name	Locus Name	Acc#

arylsulfotransferase

gp:AF126201

AF126201

Description

Pseudomonas putida strain S-313 sulfate ester desulfurization genelocus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c2_49	4350	9572	83	252	64	0.031

Protein name	Locus Name	Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f1_15	4351	9573	83	252	64	0.031

Protein name	Locus Name	Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24238263_f1_7	4352	9574	129	390		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26212762_c2_48	4353	9575	350	1053	123	9.7e-08

Protein name Locus Name Acc#

Cap5J gp:SAU81973 U81973

Description

Staphylococcus aureus capsule gene cluster Cap5A through Cap5Pgenes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2742755_c1_35	4354	9576	63	192		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32056392_c1_39	4355	9577	69	210	85	0.010

Protein name Locus Name Acc#

hypothetical protein, 57.8 kD gp:POL245436

Description

Pseudomonas putida OCT plasmid alk genes cluster and flanking DNA, strain TF4-1L.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3314078_c2_46	4356	9578	470	1413	252	6.0e-19

Protein name

Locus Name

Acc#

probable lipopolysaccharide O-side chain biosynthesis protein (O-antigen transpoter)

pir:F71152

F71152

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33460952_c2_54	4357	9579	171	516	95	9.5e-05

Protein name

Locus Name

Acc#

sp:DBH5_RHILE

P02348

Description

DNA-BINDING PROTEIN HRL53

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35970967_f3_27	4358	9580	62	189	71	0.026

Protein name

Locus Name

Acc#

sp:HIPB_ECOLI

P23873

Description

HIPB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3907151_f1_11	4359	9581	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3945302_f1_8	4360	9582	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4103387_c1_36	4361	9583	305	918	204	2.1e-16

Protein name

Locus Name

Acc#

probable rhamnosyltransferase

pir:H75596

H75596

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
41293_c3_60	4362	9584	87	264		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4176566_c1_40	4363	9585	77	234	82	0.023

Protein name

Locus Name

Acc#

unknown

gp:AF134706

AF134706

Description

Sinorhizobium meliloti insertion sequence ISRml4, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4198425_c2_47	4364	9586	327	984	130	1.6e-05

Protein name

Locus Name

Acc#

gp:AB000222

AB000222

Description

Staphylococcus capitis epr gene ,complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4704715_c3_62	4365	9587	338	1017	1447	4.1e-148

Protein name

Locus Name

Acc#

UDP-glucose-4-epimerase/dTDP-glucose-4,6

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon,complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5970193_f1_1	4366	9588	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5978385_c1_37	4367	9589	345	1038		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6725327_c2_51	4368	9590	238	717	296	3.8e-26

Protein name	Locus Name	Acc#
glycosyltransferase	pir:G75596	G75596

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13689660_f3_10	4369	9591	267	804	1330	1.0e-135

Protein name	Locus Name	Acc#
	sp:ISTB_BACFR	Q45120

Description

INSERTION SEQUENCE IS21-LIKE PUTATIVE ATP-BINDING PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14272692_f3_8	4370	9592	333	1002	1671	7.4e-172

Protein name	Locus Name	Acc#
	sp:TRA2_BACFR	Q45119

Description

TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16299062_f3_11	4371	9593	592	1779		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22460186_f2_6	4372	9594	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29937943_f2_4	4373	9595	214	645	1109	2.7e-112

Protein name

Locus Name

Acc#

sp:TRA2_BACFR

Q45119

Description

TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30525762_f2_7	4374	9596	123	372		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
100385_f1_32	4375	9597	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12285135_c3_311	4376	9598	752	2259	1461	1.3e-149

Protein name

Locus Name

Acc#

sp:BIOA_HAEIN

P44426

Description

AMINOTRANSFERASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12688437_c3_302	4377	9599	489	1470	578	4.9e-56

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12947777_f2_99	4378	9600	190	573		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13828450_f3_154	4379	9601	140	423	86	0.019

Protein name

Locus Name

Acc#

sp:FKBA_ECOLI

Description

(EC 5.2.1.8) (PPIASE) (ROTAMASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

13835937_F2_100	4380	9602	454	1365	789	2.2e-78
-----------------	------	------	-----	------	-----	---------

Protein name

Locus Name

Acc#

dihydrolipoamide
dehydrogenase, :2-oxoglutarate dehydrogenase
complex chain E3:acetoin dehydrogenase complex

pir:I40794

I40794

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

14095406_c1_182	4381	9603	140	423		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

14727331_c1_191	4382	9604	60	183		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

14737507_c2_221	4383	9605	129	390	132	9.2e-09
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Protein name

Locus Name

Acc#

hypothetical protein APE1673

pir:E72548

E72548

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15040893_f3_137	4384	9606	1043	3132	729	1.7e-120

Protein name	Locus Name	Acc#
receptor antigen (RagA)	gp:PGI130872	AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f3_155	4385	9607	200	603	762	1.6e-75

Protein name	Locus Name	Acc#
hypothetical protein	pir:JQ1020	JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
175317_c3_292	4386	9608	74	225		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
199062_f1_48	4387	9609	73	222		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20582930_c3_321	4388	9610	522	1569	814	4.9e-81

Protein name

Locus Name

Acc#

Salmonella typhimurium transcriptional

gp:STYSTMF1

AF170176

Description

Salmonella typhimurium fragment STMF1.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20750302_f1_44	4389	9611	459	1380	445	6.3e-71

Protein name

Locus Name

Acc#

sp:ODB2_BACSU

P37942

Description

CHAIN TRANSACYLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21971036_c2_282	4390	9612	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22277_c1_157	4391	9613	289	870	298	2.3e-26

Protein name

Locus Name

Acc#

gp:AB023064

AB023064

Description

Listeria monocytogenes DNA for DnaK operon, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

22860128_f1_52	4392	9614	83	252	64	0.031
----------------	------	------	----	-----	----	-------

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

23851527_c3_312	4393	9615	405	1218	1026	1.7e-103
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Protein name

Locus Name

Acc#

sp:BIOF_HAEIN

P44422

Description

LIGASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

24432030_f2_88	4394	9616	563	1692	114	1.2e-06
----------------	------	------	-----	------	-----	---------

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

24641932_f1_40	4395	9617	555	1668		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24644015_c3_296	4396	9618	152	459	204	7.4e-16
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
prolidase				gp:AB014613		AB014613
<u>Description</u>						
Aureobacterium esteraromaticum gene for prolidase, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24645252_f3_123	4397	9619	441	1326	476	3.2e-45
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
immunoreactive 50kD antigen PG53				gp:AF175720		AF175720
<u>Description</u>						
Porphyromonas gingivalis strain W50 immunoreactive 50kD antigenPG53 gene, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24648407_c3_301	4398	9620	199	600		
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24666005_c3_316	4399	9621	68	207	49	0.036
<u>Protein name</u>					<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein A556L				pir:T18058		T18058
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25448566_f1_18	4400	9622	267	804	564	1.5e-54

Protein name

Locus Name

Acc#

sp:YF08_METJA

Q58903

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN MJ1508

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
255313_c1_163	4401	9623	74	225		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26369006_f2_94	4402	9624	515	1548	1829	1.3e-188

Protein name

Locus Name

Acc#

propionyl-CoA carboxylase

gp:AB007000

AB007000

Description

Myxococcus xanthus MxppcB gene for propionyl-CoA carboxylase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26445311_c2_263	4403	9625	229	690	502	5.6e-48

Protein name

Locus Name

Acc#

sp:BID2_HAEIN

P45248

Description

2) (DTB SYNTHETASE 2) (DTBS 2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

26461542_f2_95	4404	9626	509	1530	1297	3.2e-132
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Protein name

Locus Name

Acc#

acetyl-CoA carboxylase (biotin carboxylase subunit) accC

pir:A69581

A69581

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

26594425_f2_69	4405	9627	417	1254	214	5.6e-15
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Protein name

Locus Name

Acc#

hypothetical protein aq_294

pir:H70326

H70326

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

31281883_f3_134	4406	9628	118	357	110	1.9e-06
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Protein name

Locus Name

Acc#

hypothetical protein APE1466

pir:B72626

B72626

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

32115637_f1_43	4407	9629	242	729	336	2.2e-30
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Protein name

Locus Name

Acc#

sp:LPLA_MYCPN

P75394

Description

PROBABLE LIPOATE-PROTEIN LIGASE A,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32116703_c2_268	4408	9630	68	207	136	3.4e-09
Protein name			Locus Name			Acc#
hypothetical protein APE2061			pir:G72510			G72510
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32226550_f3_152	4409	9631	174	525	367	1.1e-33
Protein name			Locus Name			Acc#
flavodoxin			pir:A28670			
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32633411_f3_125	4410	9632	810	2433	171	2.0e-09
Protein name			Locus Name			Acc#
conserved hypothetical protein			pir:G72385			G72385
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33218827_c3_300	4411	9633	513	1542		
Protein name			Locus Name			Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3370317_f1_38	4412	9634	144	435	154	5.8e-14
Protein name			Locus Name			Acc#
methylmalonyl-coa decarboxylase gamma chain PAB1771			pir:F75135			F75135
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35367263_c2_266	4413	9635	433	1302		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35710811_c1_187	4414	9636	502	1509	468	2.2e-44

Protein name

Locus Name

Acc#

sp:BIOC_HAEIN

P45249

Description

PUTATIVE BIOTIN SYNTHESIS PROTEIN BIOC

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3929091_c1_201	4415	9637	376	1131	256	6.5e-22

Protein name

Locus Name

Acc#

membrane protein

pir:G64590

G64590

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3948425_f1_3	4416	9638	402	1209	856	1.7e-85

Protein name

Locus Name

Acc#

aspartate aminotransferase

pir:D72220

D72220

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4337882_f3_151	4417	9639	695	2088	1022	4.4e-103
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Protein name

Locus Name

Acc#

probable (pyruvate) oxoisovalerate
dehydrogenase alpha and beta fusion

pir:G71526

G71526

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4462535_f1_4	4418	9640	438	1317	283	4.4e-23
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Protein name

Locus Name

Acc#

sp:YCFW_ECOLI

P75958

Description

HYPOTHETICAL 45.3 KD PROTEIN IN MFD-COBB INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4486037_g3_330	4419	9641	415	1248	379	6.1e-35
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Protein name

Locus Name

Acc#

hypothetical protein APE1887

pir:G72575

G72575

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4807687_g3_303	4420	9642	503	1512	941	1.7e-94
----------------	------	------	-----	------	-----	---------

Protein name

Locus Name

Acc#

L-lactate permease (lctP) homolog

pir:C70175

C70175

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4953527_f1_51	4421	9643	480	1443	104	1.0e-05

Protein name

Locus Name

Acc#

sp:PRTT_PORGI

P43158

Description

THIOL PROTEASE/HEMAGGLUTININ PRTT PRECURSOR,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4957582_c2_281	4422	9644	281	846	209	7.8e-16

Protein name

Locus Name

Acc#

sp:CHAC_SPHHE

Q59288

Description

(CHONDROITIN SULFATE LYASE) (CHONDROITIN AC ELIMINASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5195132_c2_275	4423	9645	425	1278	289	4.7e-26

Protein name

Locus Name

Acc#

sensor protein pils

pir:S70528

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
523587_c3_319	4424	9646	434	1305		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
54802_c2_264	4425	9647	456	1371	643	6.4e-63
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
NADH dehydrogenase, :protein slr0851:protein slr0851			pir:S74826		S74826	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
628465_c1_172	4426	9648	344	1035	369	6.9e-34
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YJV3_YEAST		P40896	
<u>Description</u>						

HYPOTHETICAL 35.9 KD PROTEIN IN HXT8-CRT1 INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
882912_f1_41	4427	9649	395	1188		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
914202_c2_276	4428	9650	390	1173	162	2.9e-09
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
EpsG			gp:AF036485			
<u>Description</u>						

Plasmid pNZ4000, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1172330_f1_2	4429	9651	345	1038	1055	1.4e-106
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
ketol-acid reductoisomerase	gp:PSP16743				Y16743	
<u>Description</u>						
Piromyces sp. E2 mRNA for ketol-acid reductoisomerase.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20443775_c1_29	4430	9652	644	1935	717	9.2e-71
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein T18E12.6	pir:T02699				T02699	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23448402_f3_16	4431	9653	658	1977		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23478512_f1_1	4432	9654	198	597		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24017827_f2_12	4433	9655	247	744	184	2.5e-15

Protein name

Locus Name

Acc#

palmitoyl-acyl carrier protein thioesterase

gp:AF034266

AF034266

Description

Gossypium hirsutum palmitoyl-acyl carrier protein thioesterase (FatB1) mRNA, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24331376_f1_9	4434	9656	790	2373	2363	3.5e-245

Protein name

Locus Name

Acc#

sp:ACON_GRAVE

P49609

Description

HYDRO-LYASE) (ACONITASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24630192_f2_11	4435	9657	153	462	151	8.8e-11

Protein name

Locus Name

Acc#

acetolactate synthase

pir:E70459

E70459

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4877202_f1_10	4436	9658	303	909	867	3.9e-98

Protein name

Locus Name

Acc#

isocitrate dehydrogenase

gp:BIISOCIT

Y13358

Description

Bacillus israeli isocitrate dehydrogenase gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12509425_f1_8	4437	9659	191	576	639	1.7e-62

Protein name

Locus Name

Acc#

gp:AB022867

AB022867

Description

Prevotella ruminicola genes for polyA polymerase, D-alanineglycinepermease and cellulase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13837557_c3_73	4438	9660	123	372	113	9.3e-07

Protein name

Locus Name

Acc#

gp:MZECWAB

M36913

Description

Z.mays cell wall protein mRNA, 3' end.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14461002_f2_16	4439	9661	299	900	264	3.3e-22

Protein name

Locus Name

Acc#

sp:YEBA_HAEIN

P44693

Description

HYPOTHETICAL PROTEIN HI0409

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14744002_f2_14	4440	9662	184	555	317	2.2e-28

Protein name

Locus Name

Acc#

4-methyl-5(b-hydroxyethyl)-thiazole
monophosphate biosynthesis protein (thiJ)
homolog

pir:D70177

D70177

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860927_f1_7	4441	9663	166	501	362	3.8e-33

Protein name	Locus Name	Acc#
probable nucleoside-diphosphate kinase,	pir:C71116	C71116

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24098388_c2_56	4442	9664	310	933	591	2.1e-57

Protein name	Locus Name	Acc#
	gp:PGPUT	X97228

Description

P.gingivalis gpdxJ, put, and yhbG-pg genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26213181_c3_61	4443	9665	257	774	992	6.7e-100

Protein name	Locus Name	Acc#
hypothetical protein	pir:JQ1020	JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26759387_f2_17	4444	9666	444	1335		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29480341_c1_44	4445	9667	85	255		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3312913_f3_27	4446	9668	223	672	336	2.2e-30

Protein name

Locus Name

Acc#

conserved hypothetical protein yacM

pir:S66119

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33392202_f2_18	4447	9669	267	804	587	5.5e-57

Protein name

Locus Name

Acc#

triosephosphate isomerase

gp:AF043386

AF043386

Description

Clostridium acetobutylicum glyceraldehyde-3-phosphate dehydrogenase (gap), phosphoglycerate kinase (pgk), and triosephosphate isomerase (tpi) genes, complete cds; and 2,3-bpg-independent phosphoglyceratemutase (pgm-i) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33476625_f2_15	4448	9670	707	2124	1284	7.6e-131

Protein name

Locus Name

Acc#

sp:RECG_SYNY3

Q55681

Description

ATP-DEPENDENT DNA HELICASE RECG,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34081405_f3_22	4449	9671	88	267	110	1.9e-06

Protein name

Locus Name

Acc#

hypothetical protein PHS004

pir:F71245

F71245

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35205387_f3_26	4450	9672	293	882	256	6.5e-22
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Protein name

Locus Name

Acc#

sp:TONB_NEIGO

006432

Description

TONB PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4159587_f3_24	4451	9673	211	636	676	2.0e-66
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Protein name

Locus Name

Acc#

pyridoxal phosphate synthetase

gp:PGPUT

X97228

Description

P.gingivalis gpdxJ, put, and yhbG-pg genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4578461_f1_5.....	4452	9674	149	450	139	1.6e-09
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Protein name

Locus Name

Acc#

sp:TOLR_HAEIN

P43769

Description

TOLR PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5087912_c2_59.....	4453	9675	89	270		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
9853312_f3_25	4454	9676	245	738	232	2.3e-19

Protein name	Locus Name	Acc#
hypothetical protein	gp:PST243354	AJ243354

Description

Pseudomonas stutzeri hypI and comA genes and putative tolQ, exbB, tolR and exbD genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10137_c2_279	4455	9677	185	558	537	1.1e-51

Protein name	Locus Name	Acc#
carbonic anhydrase homolog ytiB	pir:F69993	F69993

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10632768_c3_321.....	4456	9678	68	207		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10675680_c2_245.....	4457	9679	74	225		

Protein name	Locus Name	Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12600340_f3_137	4458	9680	364	1095		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12676061_f1_4	4459	9681	474	1425		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1353457_f1_34	4460	9682	461	1386	461	1.6e-56

Protein name

Locus Name

Acc#

AlgI

gp:PAU50202

U50202

Description

Pseudomonas aeruginosa alginate gene cluster AlgI (algI), AlgJ (algJ) and AlgF (algF) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13785326_f2_111	4461	9683	68	207		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14541001_f2_82	4462	9684	382	1149	315	3.7e-28

Protein name

Locus Name

Acc#

thiamin biosynthesis protein homolog

pir:H69260

H69260

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14634500_c2_298	4463	9685	455	1368	153	3.7e-07

Protein name

Locus Name

Acc#

KIAA1275 protein

gp:AB033101

AB033101

Description

Homo sapiens mRNA for KIAA1275 protein, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14650287_c3_304	4464	9686	540	1623	416	6.4e-67

Protein name

Locus Name

Acc#

outer membrane protein

gp:BNROMPB

L77614

Description

Bacteroides thetaiotaomicron outer membrane protein (susD) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14712516_c3_359	4465	9687	133	402		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

14954712_f1_49	4466	9688	150	453	125	5.0e-08
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Protein name

Locus Name

Acc#

sp:MEXR_PSEAE

P52003

Description

MULTIDRUG RESISTANCE OPERON REPRESSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16101587_f1_50	4467	9689	359	1080	403	1.7e-37
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Protein name

Locus Name

Acc#

sp:EMRA_HAEIN

P44928

Description

MULTIDRUG RESISTANCE PROTEIN A HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16832885_c2_285	4468	9690	431	1296	1723	2.3e-177
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Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16905_f2_75	4469	9691	64	195		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20015643_c3_312	4470	9692	66	201		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20369826_c3_332	4471	9693	190	573	240	3.2e-20

Protein name

Locus Name

Acc#

sp:YM67_ARCFU

028017

Description

(EC 1.-.-.-)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20509630_c1_184	4472	9694	954	2865	345	3.3e-28

Protein name

Locus Name

Acc#

alpha-amylase, precursor:protein c0620

pir:S73087

S73087

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22287681_E3_174	4473	9695	402	1209	152	4.0e-10

Protein name

Locus Name

Acc#

thiol:disulfide interchange protein homolog
yneN

pir:E69891

E69891

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22459655_c3_360	4474	9696	337	1014	133	4.7e-06

Protein name	Locus Name	Acc#
transmembrane sensor	gp:AF051691	AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22478431_f2_84	4475	9697	397	1194	282	1.1e-23

Protein name	Locus Name	Acc#
	sp:YRKO_BACSU	P54442

Description

HYPOTHETICAL 46.4 KD PROTEIN IN BLTR-SPOIIC INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22687767_f1_19	4476	9698	421	1266	770	1.9e-113

Protein name	Locus Name	Acc#
cytosolic phosphoglycerate kinase 1	gp:AB018410	AB018410

Description

Populus nigra PnCytPGK1 mRNA for cytosolic phosphoglycerate kinase1, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c3_340	4477	9699	83	252	64	0.031

Protein name	Locus Name	Acc#
	sp:SPRC_XENLA	P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23554563_F2_81	4478	9700	229	690	493	5.0e-47

Protein name	Locus Name	Acc#
endonuclease III	pir:B71919	B71919

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23534703_c2_280.....	4479	9701	69	210	58	0.0059

Protein name	Locus Name	Acc#
	sp:ARCD_PSEAE	P18275

Description

ARGININE/ORNITHINE ANTIporter

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24000925_c2_301.....	4480	9702	723	2169	440	4.2e-46

Protein name	Locus Name	Acc#
115K outer membrane protein precursor:Susc protein	pir:JC6027	JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24016525_c2_259.....	4481	9703	343	1032	1174	3.4e-119

Protein name	Locus Name	Acc#
	sp:ALF_TREPA	083668

Description

FRUCTOSE-BISPHOSPHATE ALDOLASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24017303_c1_242	4482	9704	677	2034	2862	4.6e-298
Protein name			Locus Name		Acc#	
pullulanase			gp:BTU67061		U67061	
Description						
Bacteroides thetaiotaomicron pullulanase (pulI) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24041626_f3_161	4483	9705	452	1359	141	1.5e-06
Protein name			Locus Name		Acc#	
conserved hypothetical protein MTH83			pir:F69210		F69210	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415877_f3_149	4484	9706	131	396		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24417075_f3_158	4485	9707	167	504	343	4.0e-31
Protein name			Locus Name		Acc#	
hypothetical protein PH0272			pir:A71452		A71452	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24487937_f1_46	4486	9708	425	1278	153	6.0e-08
Protein name			Locus Name		Acc#	
conserved hypothetical protein BB0195			pir:C70124		C70124	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24689717_f3_135	4487	9709	443	1332	422	1.7e-39

Protein name

Locus Name

Acc#

antibiotic resistance protein homolog ywoG

pir:B70065

B70065

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24695316_f2_76	4488	9710	349	1050	788	2.8e-78

Protein name

Locus Name

Acc#

sp:SYFA_BACSU

Description

-TRNA LIGASE ALPHA CHAIN) (PHERS)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25634375_c2_246	4489	9711	97	294		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2595036_c3_358	4490	9712	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25978377_f2_85	4491	9713	733	2202	228	1.8e-16

Protein name

Locus Name

Acc#

sp:Y798_METJA

Q58208

Description

HYPOTHETICAL PROTEIN MJ0798

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26600187_f2_88	4492	9714	508	1527	499	6.4e-51

Protein name

Locus Name

Acc#

gp:AB019578

AB019578

Description

Microcystis aeruginosa mcyA, mcyB and mcyC genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26756557_f1_28	4493	9715	173	522		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29971007_c3_315	4494	9716	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3125006_c2_257	4495	9717	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31276925_f1_39	4496	9718	285	858		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31854557_c2_247	4497	9719	246	741	503	4.9e-48

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31876687_f1_33	4498	9720	97	294	102	1.4e-05

Protein name

Locus Name

Acc#

acyl carrier protein

pir:S28475

S28475

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32620812_f2_108	4499	9721	540	1623	176	4.8e-10

Protein name

Locus Name

Acc#

VceB

gp:AF012101

AF012101

Description

Vibrio cholerae efflux gene A (vceA) and efflux gene B (vceB) multidrug resistance pump genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3377027_c1_213	4500	9722	310	933	135	1.3e-06

Protein name

Locus Name

Acc#

hypothetical protein

pir:F72216

F72216

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34414052_c3_333.....	4501	9723	175	528	285	5.5e-25

Protein name

Locus Name

Acc#

conserved hypothetical protein aq_2171

pir:D70486

D70486

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35820461_c3_316.....	4502	9724	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36360000_f2_112	4503	9725	624	1875	121	0.00057

Protein name	Locus Name	Acc#
unknown	gp:AF013216	

Description

Myxococcus xanthus Dog (dog), isocitrate lyase (icl), Mls (mls), Ufo (ufo), fumarate hydratase (fhy), and proteosome major subunit (clpP) genes, complete cds; and acyl-CoA oxidase (aco) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
391540_c1_201	4504	9726	61	186		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4094816_f3_164	4505	9727	620	1863	1365	2.0e-139

Protein name	Locus Name	Acc#
neopullulanase	gp:BTU66897	U66897

Description

Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4104062_f1_58	4506	9728	88	267	242	2.0e-20

Protein name	Locus Name	Acc#
probable ribosomal protein L31	pir:T36353	T36353

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4144002_c1_243	4507	9729	190	573	292	1.0e-25

Protein name Locus Name Acc#
 RNA polymerase sigma factor SigZ-like protein gp:AF137263 AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4172012_c1_223	4508	9730	283	852	464	6.0e-44

Protein name Locus Name Acc#
 endo-beta-galactosidase gp:AF083896 AF083896

Description

Flavobacterium keratolyticus endo-beta-galactosidase gene, completecds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4320313_F2_99.....	4509	9731	520	1563	1634	6.2e-168

Protein name Locus Name Acc#
 methylmalonyl-CoA decarboxylase, alpha chain pir:A49094 A49094

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
4820387_F2_100.....	4510	9732	146	441	242	2.0e-20

Protein name Locus Name Acc#
 glutaconyl-CoA decarboxylase gamma subunit gp:AF030576 AF030576

Description

Acidaminococcus fermentans methylmalonyl-CoA decarboxylase alphasubunit (mmdA) gene, partial cds; and glutaconyl-CoA decarboxylasedelta subunit (gcdD), glutaconyl-CoA decarboxylase gamma subunit(gcdC), and glutaconyl-CoA decarboxylase beta subunit (gcdB) genes,complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
492206_f1_35	4511	9733	352	1059		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4945187_c2_248	4512	9734	538	1617	92	0.0019

Protein name

Locus Name

Acc#

outer membrane protein

gp:BNROMPA

L77615

Description

Bacteroides thetaiotaomicron outer membrane protein (suse) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5328165_c2_282	4513	9735	210	633	336	2.2e-30

Protein name

Locus Name

Acc#

sp:MAF_BACSU

Description

MAF PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5330267_c2_299	4514	9736	200	603	295	4.8e-26

Protein name

Locus Name

Acc#

crossover junction endodeoxyribonuclease

pir:B72360

B72360

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5890712_f3_171	4515	9737	118	357		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5900682_f1_42	4516	9738	308	927		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9772930_f2_116	4517	9739	104	315		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9796942_c2_258	4518	9740	363	1092		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
9847330_f3_160	4519	9741	353	1062	966	3.8e-97

Protein name Locus Name Acc#

oxaloacetate decarboxylase, beta subunit pir:B72324 B72324

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13134680_f3_49	4520	9742	194	585	126	5.8e-06

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
beta-galactosidase,	pir:T29434	T29434
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14720382_f1_14	4521	9743	83	252		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14845965_f2_35	4522	9744	250	753	138	1.3e-06

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
M-protein	gp:SEU73162	U73162
<u>Description</u>		

Streptococcus equi M-protein (seM) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15899063_c3_109	4523	9745	81	246		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16604818_c1_71	4524	9746	783	2352	200	4.7e-15

Protein name

Locus Name

Acc#

colicin I receptor

gp:ECOCIR

Description

E.coli colicin I receptor gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
17069076_f1_15	4525	9747	253	762	257	5.1e-22

Protein name

Locus Name

Acc#

sp:YJJG_ECOLI

Description

HYPOTHETICAL 25.3 KD PROTEIN IN RIMI-PRFC INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20784708_f1_1	4526	9748	66	201	81	0.021

Protein name

Locus Name

Acc#

glutamyl-tRNA reductase

gp:AF080069

Description

Chlorobium vibrioforme glutamyl-tRNA reductase (hema) gene, complete cds; and porphobilinogen deaminase (hemC) gene, partialcds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23595055_c3_94	4527	9749	722	2169	342	1.1e-41

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24225385_f2_38	4528	9750	73	222		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24422505_f1_13	4529	9751	287	864	98	0.0043

Protein name Locus Name Acc#

hypothetical protein pir:T10699 T10699

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25504687_c2_84	4530	9752	219	660	568	5.7e-55

Protein name Locus Name Acc#

thymidine kinase gp:AF028720 AF028720

Description

Rhodothermus sp. 'ITI 518' thymidine kinase (tdk) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33439010_c1_63	4531	9753	947	2844	968	2.3e-97

Protein name Locus Name Acc#

receptor antigen (RagA) gp:PGI130872 AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34178252_c1_64	4532	9754	537	1614		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36018792_c2_34	4533	9755	239	720	568	5.7e-55

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:D72343

D72343

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3913937_c3_93	4534	9756	507	1524	146	3.9e-14

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3948412_c1_72	4535	9757	418	1257		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4351417_c1_68	4536	9758	394	1185	300	1.4e-26

Protein name	Locus Name	Acc#
probable permease perM homolog (perM) RP630	pir:E71668	E71668
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4739778_f2_21	4537	9759	195	588		

Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
474143_f2_24	4538	9760	543	1632	628	2.8e-95

Protein name	Locus Name	Acc#
endo-1,4-beta-xylanase,	pir:T30909	T30909
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4976501_f1_9	4539	9761	339	1020	242	2.0e-20

Protein name	Locus Name	Acc#
regulatory protein pchR-2:protein slr1489:protein slr1489	pir:S74456	S74456
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5964205_f3_58	4540	9762	71	216		

Protein name	Locus Name	Acc#
<u>Description</u>		

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6914125_f3_55	4541	9763	242	729	363	3.0e-33

Protein name

Locus Name

Acc#

sp:YVBG_BACSU

032244

Description

HYPOTHETICAL 22.6 KD PROTEIN IN OPUCA-ENO INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
895290_c2_83	4542	9764	189	570	137	7.6e-08

Protein name

Locus Name

Acc#

sp:YN23_YEAST

P53832

Description

PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
909513_c2_78	4543	9765	253	762		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10578415_f2_20	4544	9766	1360	4083	335	2.0e-41

Protein name

Locus Name

Acc#

adenylate cyclase homolog

pir:T17197

T17197

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10737900_f3_43	4545	9767	221	666	140	9.3e-08

Protein name

Locus Name

Acc#

AnsH phosphatase

gp:SCAHBAGC2

AF131879

Description

Streptomyces collinus ansatrienin AHBA biosynthetic gene clusterregion 2, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f2_28	4546	9768	159	477	535	1.8e-51

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f3_32	4547	9769	431	1296	1723	2.3e-177

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19537503_f1_8	4548	9770	188	567		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1960876_f1_2	4549	9771	500	1503	96	0.0095

Protein name

Locus Name

Acc#

putative glucosyl hydrolase precursor

gp:AF047839

AF047839

Description

Pseudoalteromonas sp. S9 putative glucosyl hydrolase precursor and adaptive response regulatory protein (ada) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19688778_c3_87	4550	9772	301	906	165	6.6e-12

Protein name

Locus Name

Acc#

MsmR

gp:SPU49397

U49397

Description

Streptococcus pyogenes MsmR (msmR) gene, partial cds; LepA (lepA), Cpa (cpa), and Nra (nra) genes, complete cds; SsbA (ssbA) gene, partial cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20704052_c3_82	4551	9773	465	1398	380	4.7e-35

Protein name

Locus Name

Acc#

hypothetical protein PAB0790

pir:H75098

H75098

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_f1_3	4552	9774	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22860128_f3_49	4553	9775	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24229677_c2_64	4554	9776	225	678		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2507010_f2_13	4555	9777	349	1050	213	4.2e-16

Protein name

Locus Name

Acc#

hypothetical protein PH1107

pir:D71051

D71051

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25798155_f3_36	4556	9778	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
33442_f1_9	4557	9779	390	1173	153	1.5e-16

Protein name

Locus Name

Acc#

transcription regulator AraC/XylS family
homolog ydeE

pir:G69777

G69777

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
33625407_c1_50	4558	9780	118	357	119	1.6e-06

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
35555187_c3_80	4559	9781	112	339	111	1.2e-05

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
36361510_f1_10	4560	9782	157	474	116	4.5e-07

Protein name

Locus Name

Acc#

hypothetical protein MTH628

pir:E69183

E69183

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36523937_c2_72	4561	9783	658	1977	243	4.7e-34

Protein name

Locus Name

Acc#

sialic acid-specific 9-O-acetylerase

gp:MMAS90A

X98625

Description

M.musculus mRNA for sialic acid-specific 9-O-acetylerase.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4095062_c1_53	4562	9784	514	1545	90	0.00020

Protein name

Locus Name

Acc#

oligopeptide ABC transporter, ATP-binding protein

pir:D72289

D72289

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103816_c1_57	4563	9785	70	213		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4110010_t3_47	4564	9786	82	249		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4884682_c2_65	4565	9787	74	225		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
548762_f2_21	4566	9788	220	663	429	3.0e-40

Protein name

Locus Name

Acc#

sp:YJV8_YEAST

P40892

Description

(EC 2.3.1.-)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
587763_f3_41	4567	9789	170	513	212	3.0e-17

Protein name

Locus Name

Acc#

hypothetical protein TM0383

pir:G72383

G72383

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6364505_f3_29	4568	9790	260	783		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
7031556_f1_11	4569	9791	174	525		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
866537_f3_35	4570	9792	654	1965	354	4.4e-40

Protein name

Locus Name

Acc#

alpha-glucosidase

gp:BTU66897

U66897

Description

Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15097187_f3_38	4571	9793	118	357		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
17074063_f2_13	4572	9794	98	297		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
193757_f2_27	4573	9795	788	2367	830	9.8e-83

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20820162_f2_11	4574	9796	597	1794	1587	5.9e-163

Protein name

Locus Name

Acc#

immunoreactive 87kD antigen PG92

gp:AF175724

AF175724

Description

Porphyromonas gingivalis strain W50 immunoreactive 87kD antigenPG92 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22478383_f3_37	4575	9797	188	567	215	1.4e-17

Protein name

Locus Name

Acc#

RNA polymerase ECF-type sigma factor sigW

pir:H69706

H69706

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22698312_f1_7	4576	9798	359	1080		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24023387_f2_12	4577	9799	839	2520	1103	1.2e-111
Protein name			Locus Name		Acc#	
putative secreted beta-galactosidase			gp:SCF81		AL133171	
Description						
Streptomyces coelicolor cosmid F81.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24219562_f1_9	4578	9800	292	879	338	1.3e-30
Protein name			Locus Name		Acc#	
hypothetical protein			pir:S76053		S76053	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25484661_f2_20	4579	9801	567	1704	1736	9.6e-179
Protein name			Locus Name		Acc#	
ABC transporter (ATP-binding protein) homolog ykpA			pir:E69861		E69861	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25595943_f2_10	4580	9802	68	207		
Protein name			Locus Name		Acc#	
NO-HIT						
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26306512_c1_56	4581	9803	395	1188	1301	1.2e-132

Protein name	Locus Name	Acc#
immunoreactive heat shock protein DnaJ	gp:AF145797	AF145797

Description

Porphyromonas gingivalis strain W50 immunoreactive heat shockprotein DnaJ gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34181503_f1_2	4582	9804	544	1635	130	5.1e-09

Protein name	Locus Name	Acc#
outer membrane protein	gp:BNROMPB	L77614

Description

Bacteroides thetaiotaomicron outer membrane protein (susD) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34553375_c2_78	4583	9805	83	252		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35797208_f2_14	4584	9806	841	2526	407	1.1e-70

Protein name	Locus Name	Acc#
115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36360255_f2_26	4585	9807	347	1044	261	1.9e-22

Protein name

Locus Name

Acc#

sp:PLC_BACCE

P14262

Description

(PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36540925_f2_25	4586	9808	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4328182_c3_89	4587	9809	353	1062	149	5.7e-07

Protein name

Locus Name

Acc#

surface antigen BspA

pir:T31094

T31094

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4879627_f1_8	4588	9810	292	879	259	3.1e-22

Protein name

Locus Name

Acc#

probable transmembrane protein

pir:T34651

T34651

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6283150_f1_1	4589	9811	261	786	789	2.2e-78
Protein name			Locus Name		Acc#	
immunoreactive 87kD antigen PG92			gp:AF175724		AF175724	
Description						
Porphyromonas gingivalis strain W50 immunoreactive 87kD antigenPG92 gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6640682_c1_55	4590	9812	255	768	309	1.6e-27
Protein name			Locus Name		Acc#	
			sp:GREP_FRATU		P48204	
Description						
GRPE PROTEIN						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10000261_c3_250	4591	9813	297	894	603	1.1e-58
Protein name			Locus Name		Acc#	
integrase			gp:BFU75371		U75371	
Description						
Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10555153_c3_255	4592	9814	573	1722	373	5.3e-34
Protein name			Locus Name		Acc#	
hypothetical protein sll0855			pir:S74833		S74833	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1203515_c3_268	4593	9815	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13750040_c1_159	4594	9816	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13759507_f3_114	4595	9817	304	915	159	5.9e-10

Protein name

Locus Name

Acc#

hypothetical protein jhp0651

pir:E71905

E71905

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13782212_f3_105	4596	9818	82	249		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13882712_f2_84	4597	9819	87	264		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14970628_c1_165	4598	9820	547	1644	355	1.3e-53

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
K+ transport protein homolog	pir:H70430	H70430

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16054635_f2_70	4599	9821	208	627		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16433140_c3_253	4600	9822	76	231		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16695462_f3_104	4601	9823	68	207		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_c1_166	4602	9824	431	1296	1723	2.3e-177

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein	pir:JQ1020	JQ1020

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
176875_c1_156	4603	9825	194	585		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
189010_f1_28	4604	9826	1198	3597	111	1.5e-06

Protein name Locus Name Acc#

sp:YY02_METJA Q60301

Description

HYPOTHETICAL PROTEIN MJEC502

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19726387_f1_8	4605	9827	490	1473	2625	6.0e-273

Protein name Locus Name Acc#

sp:CATB_BACFR P45737

Description

CATALASE,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19959762_c2_184	4606	9828	1167	3504		

Protein name Locus Name Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20101577_f1_50	4607	9829	334	1005	514	3.0e-49
Protein name			Locus Name		Acc#	
hemin permease			pir:S54438		S54438	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20110930_f1_14	4608	9830	461	1386	1259	3.4e-128
Protein name			Locus Name		Acc#	
tryptophan synthase, subunit beta (trpB-1) homolog			pir:G69404		G69404	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20312527_c3_266	4609	9831	203	612	203	2.7e-16
Protein name			Locus Name		Acc#	
RNA polymerase sigma factor SigZ-like protein			gp:AF137263		AF137263	
Description						
Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20320177_f2_75	4610	9832	278	837	103	0.0042
Protein name			Locus Name		Acc#	
branched-chain amino acid ABC transporter, ATP-binding protein (braG-4) homolog			pir:D69423		D69423	
Description						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20422203_f3_101	4611	9833	305	918	941	1.7e-94

Protein name

Locus Name

Acc#

sp:END4_ECOLI

Description

ENDONUCLEASE IV, (ENDODEOXYRIBONUCLEASE IV)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20517142_f2_74	4612	9834	855	2568		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20706678_c2_177	4613	9835	83	252		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2115625_c2_207	4614	9836	285	858	107	1.1e-06

Protein name

Locus Name

Acc#

sp:YZ35_METJA

Q60291

Description

HYPOTHETICAL PROTEIN MJECL35

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2150262_f1_22	4615	9837	194	585		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
21739427_f1_21	4616	9838	161	486		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22386007_c1_160	4617	9839	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22461713_f2_69	4618	9840	82	249	101	3.9e-05

Protein name

Locus Name

Acc#

gp:BPU53767

U53767

Description

Bacillus pumilus plasmid pSH1452, Rep gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22860128_c2_211	4619	9841	83	252	64	0.031

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23478176_f1_25	4620	9842	124	375	94	0.00045

Protein name

Locus Name

Acc#

TnpC

gp:BFU75371

U75371

Description

Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23628262_f2_86	4621	9843	70	213	53	0.0033

Protein name

Locus Name

Acc#

hypothetical protein BB0404

pir:C70150

C70150

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23992136_f1_7	4622	9844	849	2550	323	4.9e-39

Protein name

Locus Name

Acc#

putative alpha-glucosidase

gp:AAC252161

AJ252161

Description

Alicyclobacillus acidocaldarius maltose/maltodextrine transportgene region (malEFGH genes, cdaA gene and glcA gene).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24020312_c2_221	4623	9845	962	2889	436	2.7e-37
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24237762_c1_176	4624	9846	325	978		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24241377_f3_93	4625	9847	320	963	1564	1.6e-160
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
beta-lactamase, A precursor:cephalosporinase			pir:140192			
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24329702_c2_182	4626	9848	174	525	79	0.036
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
unknown			gp:AF048749		AF048749	
<u>Description</u>						

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24415932_f3_107	4627	9849	422	1269	119	0.00030

Protein name

Locus Name

Acc#

sp:Y665_HAEIN

P44033

Description

HYPOTHETICAL PROTEIN HI0665

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648550_f3_109	4628	9850	213	642		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25658441_c2_222	4629	9851	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25945152_f2_71	4630	9852	1215	3648	93	0.014

Protein name

Locus Name

Acc#

rhoptry protein

pir:T28676

T28676

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26594683_c2_185	4631	9853	728	2187		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26597832_f3_113	4632	9854	679	2040		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3006377_f2_66	4633	9855	98	297	113	4.0e-06

Protein name Locus Name Acc#

AbiE11 gp:LLU36837 U36837

Description

Lactococcus lactis plasmid pNP40, abortive infection locus, AbiE1, AbiE11, RecA(LP), AbiF genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30128208_c2_206	4634	9856	96	291		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
32243757_f1_26	4635	9857	89	270		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34257752_c2_216.....	4636	9858	369	1110	209	7.6e-24

Protein name

Locus Name

Acc#

sp:XYLB_BACOV

P49943

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34578410_c3_254.....	4637	9859	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35665952_f3_95.....	4638	9860	127	384	644	5.0e-63

Protein name

Locus Name

Acc#

hypothetical protein 2

pir:I40233

I40233

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35792967_c2_183.....	4639	9861	660	1983	2579	4.5e-268

Protein name

Locus Name

Acc#

DnaK

gp:AB015879

AB015879

Description

Porphyromonas gingivalis dnaK operon genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3959627_c3_225	4640	9862	196	591	295	4.8e-26
Protein name			Locus Name			Acc#
ORF5			gp:AB015879			AB015879
Description						
Porphyromonas gingivalis dnaK operon genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4147126_f1_32	4641	9863	318	957	534	2.3e-51
Protein name			Locus Name			Acc#
5'-nucleotidase			gp:CL1131243			AJ131243
Description						
Columba livia mRNA for 5'-nucleotidase.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4173530_c2_192	4642	9864	62	189		
Protein name			Locus Name			Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
42700_c1_167	4643	9865	95	288	163	3.1e-11
Protein name			Locus Name			Acc#
Na+-ATPase chain J:protein slr1509:protein slr1509			pir:S75455			S75455
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4727280_f2_87	4644	9866	396	1191	277	8.9e-23
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Protein name

Locus Name

Acc#

sp:Y878_METJA

Q58288

Description

HYPOTHETICAL PROTEIN MJ0878

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4727337_f1_29	4645	9867	536	1611	127	1.4e-13
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Protein name

Locus Name

Acc#

hypothetical protein PAB1002

pir:G75064

G75064

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4954832_f2_55	4646	9868	60	183		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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5274003_c1_138	4647	9869	724	2175	438	3.0e-52
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Protein name

Locus Name

Acc#

otnA protein

pir:S70958

S70958

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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9798467_c1_140	4648	9870	78	237		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
984805_c1_168	4649	9871	233	702	294	6.2e-26
Protein name			Locus Name		Acc#	
conserved hypothetical protein aq_1503			pir:G70430		G70430	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1211062_f2_93	4650	9872	84	255	90	0.0068
Protein name			Locus Name		Acc#	
CryIA toxin receptor A			gp:AF173552		AF173552	
Description						
Heliothis virescens CryIA toxin receptor A mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1226510_c1_222	4651	9873	448	1347	319	1.3e-31
Protein name			Locus Name		Acc#	
putative putrescine/spermidine binding protein			gp:PSEPAHP		L49465	
Description						
Pseudomonas fluorescens hypothetical metabolite transport protein, positive transcriptional regulator (phnR), phosphonoacetatehydrolase (phnA), 2-phosphonopropionate transporter (phnB), putative putrescine/spermidine binding protein, and putativemethionine sulfoxide reductase genes, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13906285_f1_29	4652	9874	1069	3210	393	1.8e-48
Protein name			Locus Name		Acc#	
histidine protein kinase homolog GacS			gp:AF197912		AF197912	
Description						
Azotobacter vinelandii histidine protein kinase homolog GacS (gacS) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14225953_f3_194	4653	9875	65	198	158	1.6e-11

Protein name	Locus Name	Acc#
hypothetical protein APE2061	pir:G72510	G72510
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14485880_f1_53	4654	9876	395	1188	206	4.5e-16

Protein name	Locus Name	Acc#
	sp:TLPA_BRAJA	P43221
<u>Description</u>		

PROTEIN TLPA)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14539662_f3_160	4655	9877	204	615	308	2.0e-27

Protein name	Locus Name	Acc#
hypothetical protein MTH671	pir:D69189	D69189
<u>Description</u>		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14630035_c2_271	4656	9878	597	1794	1319	1.5e-134

Protein name	Locus Name	Acc#
probable V-type ATPase, subunit A (atpA-1)	pir:G71325	G71325
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15712666_f1_24	4657	9879	198	597	222	2.6e-18

Protein name

Locus Name

Acc#

sp:YJJP_HAEIN

P44520

Description

HYPOTHETICAL PROTEIN HI0108

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15719042_c2_270	4658	9880	296	891	93	5.1e-06

Protein name

Locus Name

Acc#

hypothetical protein BB0095

pir:G70111

G70111

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16539038_c3_351	4659	9881	199	600	427	5.0e-40

Protein name

Locus Name

Acc#

2-keto-3-deoxygluconate kinase

pir:G72422

G72422

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16610827_f1_37	4660	9882	468	1407	753	1.4e-74

Protein name

Locus Name

Acc#

Na⁺/H⁺ antiporter (nhaC-1) homolog

pir:D70179

D70179

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16833455_c2_316	4661	9883	304	915	589	3.4e-57

Protein name	Locus Name	Acc#
cation efflux system protein	gp:AF203881	AF203881

Description

Zymomonas mobilis strain ZM4 clone 43F4, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19687750_c1_228	4662	9884	75	228		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20972755_f3_146	4663	9885	85	258	78	0.0019

Protein name	Locus Name	Acc#
	sp:PRS6_MANSE	P46507

Description

26S PROTEASE REGULATORY SUBUNIT 6B (ATPASE MS73)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21515678_c3_334	4664	9886	865	2598	1621	1.5e-166

Protein name	Locus Name	Acc#
hypothetical protein PH1512	pir:D71027	D71027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22445301_f2_87	4665	9887	231	696	122	2.0e-07

Protein name

Locus Name

Acc#

unknown

gp:AF125164

AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22454707_f3_161	4666	9888	356	1071	1394	1.7e-142

Protein name

Locus Name

Acc#

sp:RIR2_TREPA

083092

Description

(RIBONUCLEOTIDE REDUCTASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23595180_c1_266.....	4667	9889	403	1212	268	1.7e-21

Protein name

Locus Name

Acc#

sp:YRKO_BACSU

P54442

Description

HYPOTHETICAL 46.4 KD PROTEIN IN BLTR-SPOIIIC INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631627_c1_213.....	4668	9890	444	1335	1018	1.2e-102

Protein name

Locus Name

Acc#

probable V-type ATPase, subunit B (atpB-1)

pir:H71325

H71325

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24253311_f3_167	4669	9891	405	1218	213	3.9e-15
Protein name			Locus Name		Acc#	
			gp:AB016260			

Description

Agrobacterium tumefaciens plasmid pTi-SAKURA, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24257692_f1_9	4670	9892	599	1800	649	1.5e-63
Protein name			Locus Name		Acc#	
TonB-dependent receptor HmuR			gp:PGU87395		U87395	

Description

Porphyromonas gingivalis TonB-dependent receptor HmuR (hmuR) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24347153_c3_330.....	4671	9893	623	1872	559	5.1e-54
Protein name			Locus Name		Acc#	
V-type ATPase, subunit I homolog			pir:C70111		C70111	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24509627_c3_350.....	4672	9894	142	429	494	3.9e-47
Protein name			Locus Name		Acc#	
2-keto-3-deoxygluconate kinase			pir:G72422		G72422	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24806567_c1_238	4673	9895	119	360	245	9.6e-21

Protein name	Locus Name	Acc#
conserved hypothetical protein MTH1285	pir:A69038	A69038

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25469832_f3_184	4674	9896	252	759	824	4.2e-82

Protein name	Locus Name	Acc#
30S ribosomal protein S16-like protein	gp:AF137263	AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25984388_f1_47	4675	9897	447	1344		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26288442_c3_348	4676	9898	154	465	233	1.8e-19

Protein name	Locus Name	Acc#
conserved hypothetical protein yvbK	pir:B70030	B70030

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26365691_c2_287	4677	9899	243	732	184	1.0e-22

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein	pir:B75629	B75629
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29337830_c1_231	4678	9900	371	1116	214	7.6e-25

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein	pir:H75628	H75628
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29589842_c2_268	4679	9901	65	198		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
30493775_c3_332	4680	9902	61	186		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31461016_c3_380	4681	9903	515	1548	700	5.8e-69

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YHCA_BACSU	P54585
<u>Description</u>		

HYPOTHETICAL 58.3 KD PROTEIN IN GLPD-CSPB INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31833126_F2_86	4682	9904	309	930	106	0.021

Protein name	Locus Name	Acc#
probable erythrocyte-binding protein MAEBL	pir:T09129	T09129
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32042553_C2_317	4683	9905	61	186		

Protein name	Locus Name	Acc#
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32234752_F2_91	4684	9906	117	354	73	0.016

Protein name	Locus Name	Acc#
hypothetical protein MTH670	pir:C69189	C69189
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33236050_C3_377	4685	9907	138	417		

Protein name	Locus Name	Acc#
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33401552_C1_230	4686	9908	211	636	386	1.1e-35

Protein name	Locus Name	Acc#
peptide chain release factor homolog prfH	pir:E64748	E64748
Description		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
33711081_f2_136	4687	9909	99	300	111	2.4e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein			gp:SSU18930		Y18930	
<u>Description</u>						
Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3398466_f2_90	4688	9910	1467	4404	687	4.4e-125
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
cobalamin biosynthesis protein N			pir:C69048		C69048	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34065926_c1_265.....	4689	9911	231	696	231	5.8e-26
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein aq_1060			pir:D70391		D70391	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34081405_c1_212.....	4690	9912	88	267	110	1.9e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein PHS004			pir:F71245		F71245	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34242285_c1_221	4691	9913	269	810	469	1.8e-44
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
spermidine/putrescine ABC transporter, permease protein (potC) homolog			pir:G70179		G70179	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34648557_c2_279	4692	9914	137	414		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35352135_c3_339	4693	9915	417	1254	97	0.038
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein DKFZp566D1824.1			pir:T14767		T14767	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3926531_f2_94	4694	9916	260	783	257	5.1e-22
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YJJP_ECOLI		P39402	
<u>Description</u>						

HYPOTHETICAL 30.5 KD PROTEIN IN DNAT-BGLJ INTERGENIC REGION (F277)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3939211_f2_89	4695	9917	185	558	206	1.4e-15

Protein name

Locus Name

Acc#

TonB-dependent receptor HmuR

gp:PGU87395

U87395

Description

Porphyromonas gingivalis TonB-dependent receptor HmuR (hmuR) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4069152_c1_241	4696	9918	227	684	262	1.5e-22

Protein name

Locus Name

Acc#

2-dehydro-3-deoxyphosphogluconate aldolase/4-hydroxy-2-oxoglutarate aldolase

pir:F72422

F72422

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103530_c3_326	4697	9919	199	600	152	6.9e-11

Protein name

Locus Name

Acc#

V-type ATPase, subunit E homolog

pir:H70111

H70111

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4148892_c1_217	4698	9920	220	663		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
489680_f1_43	4699	9921	130	393		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4900276_f2_92	4700	9922	840	2523	2812	9.2e-293

Protein name

Locus Name

Acc#

sp:RIR1_TREPA

083972

Description

(RIBONUCLEOTIDE REDUCTASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4956537_f1_17	4701	9923	234	705	99	0.012

Protein name

Locus Name

Acc#

conserved hypothetical protein AF1223

pir:F69402

F69402

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4960967_f3_145	4702	9924	79	240		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
501952_c3_336	4703	9925	470	1413	1004	3.6e-101

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
spermidine/putrescine ABC transporter, ATP-binding protein (potA) homolog	pir:A70180	A70180

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5285927_c1_214	4704	9926	204	615	231	2.9e-19

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
probable V-type ATPase, subunit D (atpD-1)	pir:A71326	A71326

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5892183_c3_342	4705	9927	439	1320	1009	1.1e-101

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
rtcB protein	pir:D75521	D75521

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
5909512_c3_333	4706	9928	593	1782	427	4.8e-60

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
UDPGlucose--glycogen glucosyltransferase,, skeletal muscle:glycogen(starch) synthase:glycogen(starch) synthase	pir:A33369	

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6912588_c2_278	4707	9929	268	807	426	6.3e-40

Protein name

Locus Name

Acc#

spermidine/putrescine ABC transporter,
permease protein (potB) homolog

pir:H70179

H70179

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7072953_c1_243	4708	9930	72	219		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781561_c3_338	4709	9931	133	402	294	6.2e-26

Protein name

Locus Name

Acc#

glycine-rich RNA-binding protein (clone A81)

pir:S31443

S31443

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
791537_c1_225	4710	9932	688	2067	55	0.036

Protein name

Locus Name

Acc#

gp:CPU53466

U53466

Description

Cydia pomonella granulosus virus ORF13L gene, partial cds, ORF15L, ORF15R, ORF16L, ORF17L genes, complete cds, ORF17R gene, partialcds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
970262_c2_274	4711	9933	163	492	228	6.1e-19

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein PH1980	pir:D71214	D71214

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
975186_c3_379	4712	9934	540	1623	749	3.7e-74

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:YIDE_HAEIN	P44472

Description

HYPOTHETICAL PROTEIN HI0035

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11882928_f1_24	4713	9935	65	198		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
11929010_f1_30	4714	9936	75	228		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1192950_f1_6	4715	9937	67	204		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12112502_c3_184	4716	9938	519	1560		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12535687_f2_39	4717	9939	735	2208	580	3.4e-76

Protein name

Locus Name

Acc#

hypothetical protein TM0280

pir:F72395

F72395

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1282807_c2_129	4718	9940	64	195	53	0.017

Protein name

Locus Name

Acc#

sp:RYL2_YARLI

P41925

Description

RAS-LIKE GTP-BINDING PROTEIN RYL2

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13066438_f2_54	4719	9941	88	267		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13798552_f2_57	4720	9942	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14709701_c1_123	4721	9943	363	1092	521	5.4e-50

Protein name

Locus Name

Acc#

FucR

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
187637_c2_130	4722	9944	641	1926		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
22353385_f2_44	4723	9945	157	474	313	6.0e-28

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein slr0698	pir:S77038	S77038
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
22939206_c1_101	4724	9946	393	1182	908	5.3e-91

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein	pir:H72299	H72299
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
23615930_c3_176	4725	9947	696	2091	457	3.1e-41

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
	sp:BGAL_THETU	P26257
<u>Description</u>		

BETA-GALACTOSIDASE, (LACTASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
23625926_c1_126	4726	9948	390	1173	246	6.8e-19

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
unknown	gp:AF141932	AF141932
<u>Description</u>		

Rhizobium leguminosarum bv. trifolii plasmid PR1e162Y10C rspDEFoperon, partial sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24259438_c1_125	4727	9949	204	615	98	0.026

Protein name

Locus Name

Acc#

protein kinase,, cGMP-dependent

pir:B28269

B28269

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24335301_f2_43	4728	9950	606	1821	1237	7.3e-126

Protein name

Locus Name

Acc#

sp:LCFH_HAEIN

P44446

Description

ACYL-COA SYNTHETASE) (LACS)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24626876_f3_63	4729	9951	469	1410		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24640762_c1_95	4730	9952	380	1143		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26595067_f1_15	4731	9953	433	1302	244	3.7e-20

Protein name

Locus Name

Acc#

hypothetical protein MTH1451

pir:C69060

C69060

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29462801_f1_2	4732	9954	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33729675_f3_65	4733	9955	848	2547	313	8.0e-26

Protein name

Locus Name

Acc#

putative alpha-L-arabinofuranosidase

gp:ATAC011708

AC011708

Description

Arabidopsis thaliana chromosome III BAC T7M13 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34178305_f1_14	4734	9956	444	1335	146	5.3e-07

Protein name

Locus Name

Acc#

sp:PORP_PSEAE

P05695

Description

PORIN P PRECURSOR (OUTER MEMBRANE PROTEIN D1)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34252176_c1_93	4735	9957	84	255	116	1.1e-05

Protein name

Locus Name

Acc#

Styrene sensor kinase

gp:PSSTYCATA

AJ000330

Description

Pseudomonas sp. DNA for styrene catabolism genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34406517_c2_127	4736	9958	1119	3360	826	7.2e-97

Protein name	Locus Name	Acc#
receptor antigen (RagA)	gp:PGI130872	AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34410751_f3_75	4737	9959	860	2583	419	3.1e-37

Protein name	Locus Name	Acc#
unknown	gp:AF007381	AF007381

Description

Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3907253_f3_66	4738	9960	882	2649	1066	1.1e-127

Protein name	Locus Name	Acc#
hypothetical protein SCF34.07	pir:T36406	T36406

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4176462_c2_128	4739	9961	272	819		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
424193_f3_71	4740	9962	354	1065	697	1.2e-68
Protein name			Locus Name		Acc#	
			sp:RF2_ECOLI			
Description						
PEPTIDE CHAIN RELEASE FACTOR 2 (RF-2)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4330312_c1_98	4741	9963	306	921	160	8.0e-13
Protein name			Locus Name		Acc#	
hypothetical protein			pir:T33724		T33724	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4689392_f1_1	4742	9964	135	408		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5345192_c1_99	4743	9965	514	1545	705	1.7e-69
Protein name			Locus Name		Acc#	
			sp:HEXA_PORGI		P49008	
Description						
(BETA-NAHASE)						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
587787_c2_131	4744	9966	404	1215	400	3.6e-37

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
unsaturated glucuronyl hydrolase	gp:AB019619	AB019619

Description

Bacillus sp. GL1 genes for orf and unsaturated glucuronylhydrolase, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
593950_c1_94	4745	9967	474	1425	451	2.6e-42

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
adenylate cyclase	gp:D89625	D89625

Description

Anabaena sp. cyaC gene for adenylate cyclase, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6.812837_c3_186	4746	9968	370	1113	269	2.7e-23

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
probable succinyl-diaminopimelate desuccinylase	pir:H70608	H70608

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
10969703_f2_10	4747	9969	170	513		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13765751_f2_15	4748	9970	299	897	143	3.3e-07

Protein name

Locus Name

Acc#

cytochrome b

gp:GPA249395

AJ249395

Description

Globodera pallida mitochondrial COII, ND4, COIII, ND6, ND1, ND3 and cytb genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13838463_f2_11	4749	9971	69	210		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15709788_f3_17	4750	9972	405	1218		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21646915_f2_8	4751	9973	246	741		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22848775_c1_23	4752	9974	199	600	92	0.00035

Protein name

Locus Name

Acc#

sp:DNU4_RHORU

P15017

Description

PROBABLE TRANSCRIPTIONAL REGULATOR IN ATPASE CF(0) REGION (URF4)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23444088_c1_24	4753	9975	85	258		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25834567_f1_1	4754	9976	244	735	75	0.039

Protein name

Locus Name

Acc#

gp:MUSIGKBJ

M13606

Description

Mouse Ig active kappa-chain VJ2 mRNA from HP22.134.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29859506_f2_7	4755	9977	183	552		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34570927_f1_2	4756	9978	329	990		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36142837_c3_40	4757	9979	65	198	78	0.021

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein C17F3.3	pir:T32879	T32879
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4162818_f2_14	4758	9980	133	402	72	0.021

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

conserved hypothetical protein BBI40	pir:G70244	G70244
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5859640_f2_9	4759	9981	422	1269	88	0.0055

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

unknown	gp:AF033858	AF033858
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Description

Pediococcus pentosaceus strain ATCC43200 plasmid pMD136, complete plasmid sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11769375_c2_42	4760	9982	681	2046	240	4.1e-25

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16579388_c3_46	4761	9983	190	573	401	2.8e-37

Protein name

Locus Name

Acc#

sp:Y4PL_RHISN

P55617

Description

POTATIVE INSERTION SEQUENCE ATP-BINDING PROTEIN Y4PL

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20265_c1_37	4762	9984	89	267		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32501380_f3_28	4763	9985	130	393		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34181512_c2_38	4764	9986	207	624		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
364229763_c1_34	4765	9987	79	240	66	0.011

Protein name

Locus Name

Acc#

gp:ATAC011020

AC011020

Description

Arabidopsis thaliana chromosome I BAC F12B7 genomic sequence, complete sequence.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4098562_f1_4	4766	9988	92	279	77	0.015

Protein name

Locus Name

Acc#

probable sigK protein

pir:F70830

F70830

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5276442_c3_47	4767	9989	156	471		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
85151_c2_41	4768	9990	299	900	436	7.4e-40

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
14885458_f2_3	4769	9991	600	1803	563	1.9e-54

Protein name

Locus Name

Acc#

sp:BGAL_THETU

P26257

Description

BETA-GALACTOSIDASE, (LACTASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
10837887_c3_30	4770	9992	374	1125	1011	6.5e-102

Protein name

Locus Name

Acc#

CDP-glucose-4,6-dehydratase

pir:D47070

D47070

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
14640675_c3_31	4771	9993	298	894	950	1.9e-95

Protein name

Locus Name

Acc#

CDP-tyvelose epimerase

gp:YPU29691

U29691

Description

Yersinia pseudotuberculosis group
IVACDP-4-keto-6-deoxy-D-glucose-3-dehydrase (ddhC) gene, partial
cds, CDP-paratose synthetase (prt) and CDP-tyvelose epimerase (tyv) genes,
complete cds, and putative O antigen export protein (wzx) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20312800_c1_22	4772	9994	306	921	225	1.3e-18
Protein name			Locus Name		Acc#	
dTDP-glucose 4,6-dehydratase			pir:H69105		H69105	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20507213_c3_29	4773	9995	86	261		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24880278_f2_12	4774	9996	81	246		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
391531_f1_5	4775	9997	69	210		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
46378150_c1_20	4776	9998	285	858	475	4.1e-45
Protein name			Locus Name		Acc#	
glucose-1-phosphate cytidyltransferase,			pir:C47070		C47070	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13070915_c1_11	4777	9999	845	2538	679	3.4e-66

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4400952_c3_13	4778	10000	264	795	445	8.0e-41

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10635936_f1_15	4779	10001	419	1260		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11829203_c1_283	4780	10002	270	813	132	2.5e-08

Protein name

Locus Name

Acc#

gp:D86934

D86934

Description

Staphylococcus aureus genes, mec region, partial and complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12298437_c2_380	4781	10003	321	966	252	1.7e-21

Protein name

Locus Name

Acc#

sp:YYAM_BACSU

P37511

Description

HYPOTHETICAL 32.9 KD PROTEIN IN TETB-EXOA INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13865675_c1_304	4782	10004	312	939	964	6.2e-97

Protein name

Locus Name

Acc#

homoserine O-succinyltransferase

pir:C72324

C72324

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13868955_f3_200	4783	10005	111	336		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1407956_c3_406	4784	10006	147	444		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14640762_f2_103	4785	10007	86	261		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14657700_c1_301	4786	10008	642	1929	155	2.3e-10

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:E75439

E75439

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15703215_f3_266	4787	10009	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
159562_f1_41	4788	10010	74	225	209	6.3e-17

Protein name

Locus Name

Acc#

sp:FER_BUTME

P14073

Description

FERREDOXIN

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16615912_F3_261	4789	10011	67	204		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16832885_G2_358.....	4790	10012	431	1296	1723	2.3e-177

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19689075_G1_334.....	4791	10013	867	2604	453	1.5e-39

Protein name

Locus Name

Acc#

hypothetical protein F10M10.30

pir:T04772

T04772

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19710881_F1_89.....	4792	10014	216	651	79	0.012

Protein name

Locus Name

Acc#

gp:TCU64729

U64729

Description

Toxocara canis TcH SLdT.460 mRNA, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
19770066_c2_351	4793	10015	389	1170	652	7.1e-64
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
potassium-dependent ATPase subunit D'	gp:AF213466				AF213466	
<u>Description</u>						
Anabaena sp. L-31 kdp operon, complete sequence.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20119033_f1_10	4794	10016	191	576	144	4.1e-20
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
	sp:PNUC_SALTY				P24520	
<u>Description</u>						
PNUC PROTEIN						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
204687_c2_352	4795	10017	64	195		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22298176_f1_91	4796	10018	62	189		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22306532_f2_123	4797	10019	530	1593	836	6.0e-87

Protein name	Locus Name	Acc#
hypothetical protein	pir:S76076	S76076
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22850128_c3_415	4798	10020	83	252	64	0.031

Protein name	Locus Name	Acc#
	sp:SPRC_XENLA	P36378
Description		

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22850636_c3_431	4799	10021	415	1248	862	4.0e-86

Protein name	Locus Name	Acc#
probable phosphonopyruvate decarboxylase, 1	pir:D69154	D69154
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23526711_c3_404	4800	10022	687	2064	2134	6.4e-221

Protein name	Locus Name	Acc#
potassium-transporting ATPase, B subunit	pir:A75627	A75627
Description		

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23632875_c3_403	4801	10023	573	1722	1228	6.5e-125

Protein name

Locus Name

Acc#

potassium-translocating ATPase A chain

gp:AAC243194

AJ243194

Description

Alicyclobacillus acidocaldarius kdpA gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23960013_c3_418	4802	10024	954	2865	935	2.4e-115

Protein name

Locus Name

Acc#

putative secreted protein

gp:SCF41

AL117387

Description

Streptomyces coelicolor cosmid F41.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24007761_c1_297	4803	10025	986	2961		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24322063_c2_362	4804	10026	333	1002		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24322712_c1_295	4805	10027	1152	3459	754	5.3e-132

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24334692_f3_240.....	4806	10028	222	669		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24640915_f2_106.....	4807	10029	209	630	297	3.0e-26

Protein name

Locus Name

Acc#

hypothetical protein jhp1211

pir:C71832

C71832

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642818_f2_187.....	4808	10030	118	357	98	3.6e-05

Protein name

Locus Name

Acc#

gp:SSK3MECA1

Y13052

Description

S.sciuri mecA1 gene, strain K3(MM2).

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24804691_c1_298	4809	10031	257	774		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24820326_c1_322	4810	10032	290	873	607	1.2e-58

Protein name

Locus Name

Acc#

aspartate kinase, / homoserine dehydrogenase,
T16H5.70:protein T16H5.70:protein T16H5.70

pir:T04752

T04752

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24866706_c1_293	4811	10033	447	1344	423	1.5e-39

Protein name

Locus Name

Acc#

Vick protein

gp:EFA012050

AJ012050

Description

Enterococcus faecalis vic operon and flanking genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25277_c3_411	4812	10034	798	2397		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2557712_c1_333	4813	10035	208	627	167	1.8e-12
Protein name			Locus Name		Acc#	
hypothetical protein sll0687			pir:S74416		S74416	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25835942_c2_385	4814	10036	336	1011	131	7.6e-06
Protein name			Locus Name		Acc#	
			sp:FECR_ECOLI		P23485	
Description						
FECR PROTEIN						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25945887_c3_417	4815	10037	401	1206	983	6.0e-99
Protein name			Locus Name		Acc#	
			sp:AAT_BACST		Q59228	
Description						
ASPARTATE AMINOTRANSFERASE, (TRANSAMINASE A) (ASPAT)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29720927_c1_321	4816	10038	527	1584	788	2.8e-78
Protein name			Locus Name		Acc#	
			sp:AK_METJA		Q57991	
Description						
PROBABLE ASPARTOKINASE, (ASPARTATE KINASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3001402_f3_222	4817	10039	212	639	115	1.9e-06

Protein name

Locus Name

Acc#

gp:SCU40158

U40158

Description

Staphylococcus carnosus response regulator-like protein (orfX) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30656255_c1_294	4818	10040	193	582	316	2.9e-28

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30661682_f2_185	4819	10041	486	1461	379	8.2e-35

Protein name

Locus Name

Acc#

putative aspartate kinase

gp:ATAC010797

AC010797

Description

Arabidopsis thaliana chromosome III BAC F28J7 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30720407_c2_349	4820	10042	234	705	359	8.0e-33

Protein name

Locus Name

Acc#

sp:ATKC_MYCTU

P96369

Description

C CHAIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3125011_f3_223	4821	10043	811	2436	253	1.1e-29

Protein name

Locus Name

Acc#

SfTP

gp:AF126201

AF126201

Description

Pseudomonas putida strain S-313 sulfate ester desulfurization genelocus, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3132040_f2_120	4822	10044	385	1158	728	6.3e-72

Protein name

Locus Name

Acc#

sp:ASG1_ECOLI

P18840

Description

(L-ASNASE I)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32188_f2_186	4823	10045	836	2511	971	1.1e-97

Protein name

Locus Name

Acc#

NADH oxidase (noxA-3) homolog

pir:H69299

H69299

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33486502_c3_408	4824	10046	340	1023	114	0.00068

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35245635_c3_410	4825	10047	511	1536	129	2.4e-09
Protein name			Locus Name			Acc#
unknown			gp:U96771			U96771
Description						

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
36375662_c1_323	4826	10048	451	1356	939	2.8e-94
Protein name			Locus Name			Acc#
			sp:THRC_HAEIN			P44503
Description						

THREONINE SYNTHASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3912663_f2_122	4827	10049	462	1389	1242	2.1e-126
Protein name			Locus Name			Acc#
			sp:RADA_BACSU			P37572
Description						

DNA REPAIR PROTEIN RADA HOMOLOG (DNA REPAIR PROTEIN SMS HOMOLOG)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3939387_c3_437	4828	10050	305	918	551	3.6e-53
Protein name			Locus Name			Acc#
putative 30.6 kDa protein			gp:AF037440			AF037440
Description						

Edwardsiella ictaluri D-3-phosphoglycerate dehydrogenase (serA) gene, partial cds; ribose-5-phosphate isomerase (rpiA), inhibitor of chromosome initiation (iciA), putative 26 kDa protein (yggE), putative 30.6 kDa protein (yggB), and fructose 1,6-bisphosphate aldolase (fda) genes, complete cds; and phosphoglycerate kinase (pgk) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3942202_c2_339	4829	10051	489	1470	267	2.9e-38

Protein name

Locus Name

Acc#

sp:ARSF_HUMAN

P54793

Description

ARYLSULFATASE F PRECURSOR, (ASF)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4078255_c1_281	4830	10052	494	1485	496	2.4e-47

Protein name

Locus Name

Acc#

tripeptidyl aminopeptidase

gp:STMTAP

L46588

Description

Streptomyces lividans tripeptidyl aminopeptidase gene, completecds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103410_c3_390	4831	10053	657	1974		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4414086_c1_289	4832	10054	467	1404	859	8.3e-86

Protein name

Locus Name

Acc#

response regulatory protein (rrp-2) homolog

pir:B70195

B70195

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4694087_c2_359	4833	10055	415	1248	1213	2.5e-123
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
GTP cyclohydrolase II, / 3, 4-dihydroxy-2-butanone 4-phosphate synthase, ribA:ribA protein			pir:C70331		C70331	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4881507_c3_439	4834	10056	960	2880	929	3.2e-93
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
115K outer membrane protein precursor:SusC protein			pir:JC6027		JC6027	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5173192_c3_419.....	4835	10057	611	1836	1321	9.1e-135
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:YDCP_ECOLI			
<u>Description</u>						
PUTATIVE PROTEASE YDCP PRECURSOR,						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5259838_f1_9.....	4836	10058	707	2124	123	3.9e-08
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
heme receptor			gp:VIBHUTA		L27149	
<u>Description</u>						
Vibrio cholerae heme receptor (huta) gene, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5272312_c2_350	4837	10059	120	363	88	0.0018

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
hypothetical protein Rv0587	pir:F70907	F70907
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5275425_f2_134	4838	10060	81	246		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5290912_f3_221	4839	10061	124	375		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5880050_g3_414	4840	10062	111	336		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6366576_f1_13	4841	10063	65	198		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6367805_f3_272	4842	10064	212	639	96	0.010
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
outer membrane protein 21, Omp21	gp:CAAJ1918				AJ001918	
<u>Description</u>						
Comamonas acidovorans omp21 gene.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6417192_c3_420	4843	10065	72	219		
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
<u>Description</u>						
NO-HIT						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13757180_f1_23	4844	10066	60	183	70	0.033
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein APE1598	pir:A72539				A72539	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16535830_f3_59	4845	10067	91	276	69	0.042
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein ORF87	pir:T30436				T30436	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
16603402_c2_78	4846	10068	337	1014	943	1.0e-94

Protein name

Locus Name

Acc#

WbnF

gp:AF172324

AF172324

Description

Escherichia coli GalF (galF) gene, partial cds; O-antigen repeatunit transporter Wzx (wzx), WbnA (wbnA), O-antigen polymerase Wzy (wzy), WbnB (wbnB), WbnC (wbnC), WbnD (wbnD), WbnE (wbnE), UDP-Glc-4-epimerase Gale (galE), 6-phosphogluconate dehydrogenase Gnd (gnd), UDP-Glc-6-dehydrogenase Ugd (ugd), and WbnF (wbnF) genes, complete cds; and chain length determinant

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
21678500_c1_64	4847	10069	474	1425	1297	3.2e-132

Protein name

Locus Name

Acc#

3-isopropylmalate dehydratase, large chain

pir:T29083

T29083

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
23631627_c2_74	4848	10070	201	606	462	9.7e-44

Protein name

Locus Name

Acc#

sp:LEUD_HAEIN

P44438

Description

(ISOPROPYLMALATE ISOMERASE) (ALPHA-IPM ISOMERASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
23634425_c1_66	4849	10071	357	1074	1836	2.4e-189

Protein name

Locus Name

Acc#

sp:LEU3_BACFR

P54354

Description

(IMDH) (3-IPM-DH)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24270450_c1_67	4850	10072	528	1587	216	2.0e-14

Protein name

Locus Name

Acc#

unknown

gp:AF036677

AF036677

Description

Salmonella typhimurium putative operon regulated by PmrAB, necessary for 4-aminoarabinose lipid A modification and polymyxin resistance, PmrG (pmrG) gene, partial cds; PmrF (pmrF) gene and 6orfs, complete cds; and PmrD (pmrD) gene, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24335131_f1_25	4851	10073	63	192	106	5.1e-06

Protein name

Locus Name

Acc#

hypothetical protein PH0219

pir:A71245

A71245

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24337765_c1_68.....	4852	10074	1032	3096	617	2.6e-86

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
282708_f2_42.....	4853	10075	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34081405_c2_71	4854	10076	88	267	110	1.9e-06
Protein name			Locus Name		Acc#	
hypothetical protein PHS004			pir:F71245		F71245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34407837_c2_73	4855	10077	500	1503	1207	1.1e-122
Protein name			Locus Name		Acc#	
			sp:LEU1_HAEIN		P43861	
Description						
SYNTHASE) (ALPHA-IPM SYNTHETASE)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4805262_c1_65	4856	10078	512	1539	666	2.3e-65
Protein name			Locus Name		Acc#	
2-isopropylmalate synthase (leuA-1) homolog			pir:E69369		E69369	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5332506_f1_24	4857	10079	95	288	73	0.034
Protein name			Locus Name		Acc#	
hypothetical protein PH0220			pir:B71245		B71245	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5867141_c3_83	4858	10080	218	657	232	2.0e-18
Protein name			Locus Name		Acc#	
lipid A disaccharide synthase			pir:B72014		B72014	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5901877_c2_76	4859	10081	269	810	366	1.4e-33
Protein name			Locus Name			Acc#
dolichol-phosphate mannosyltransferase			pir:G70463			G70463
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
656551_l3_46	4860	10082	86	261		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10164677_c2_249	4861	10083	154	465	170	1.7e-12
Protein name			Locus Name			Acc#
proline-rich protein precursor			pir:S23737			S23737
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10241436_f1_8	4862	10084	142	429		
Protein name			Locus Name			Acc#
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12360002_c2_228	4863	10085	169	510	111	1.4e-05
Protein name			Locus Name			Acc#
arabinogalactan-like protein			pir:S52994			S52994
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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12500183_f2_42	4864	10086	128	387	124	4.4e-07
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Protein name

Locus Name

Acc#

hypothetical protein Rv3864	pir:E70656	E70656
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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125037_f1_34	4865	10087	687	2064	439	3.2e-40
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Protein name

Locus Name

Acc#

receptor antigen (RagA)	gp:PGI130872	AJ130872
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Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.		
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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13000040_f3_115	4866	10088	332	999		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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13069511_f2_47	4867	10089	121	366		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13956536_c1_183	4868	10090	431	1296		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14587753_c2_217	4869	10091	325	978	270	4.5e-22

Protein name

Locus Name

Acc#

sp:TRC4_ECOLI

Description

DNA PRIMASE TRAC, (REPLICATION PRIMASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14727281_f2_72	4870	10092	119	360	98	5.8e-05

Protein name

Locus Name

Acc#

sp:DH18_ARATH

P30185

Description

DEHYDRIN RAB18

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15032692_c1_162	4871	10093	220	663	101	0.036

Protein name

Locus Name

Acc#

exodeoxyribonuclease V, gamma chain (recC)
homolog

pir:A70179

A70179

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20260_f3_137	4872	10094	589	1770	89	0.041

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20506501_c2_202	4873	10095	269	810	235	1.1e-19

Protein name

Locus Name

Acc#

hypothetical protein b1488

pir:C64902

C64902

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
20594841_f3_117	4874	10096	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2119013_c1_147	4875	10097	400	1203	115	1.5e-08

Protein name

Locus Name

Acc#

hypothetical protein SC6G4.36c SC6G4.36c

pir:T35587

T35587

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21507338_f1_11	4876	10098	736	2211	559	2.3e-89
Protein name			Locus Name		Acc#	
			gp:BFU63096		U63096	
Description						
Bacteroides fragilis (bctA) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21578375_c1_197	4877	10099	776	2331	197	3.2e-12
Protein name			Locus Name		Acc#	
			gp:AF083424		AF083424	
Description						
Ateline herpesvirus 3 complete genome.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22548191_f2_51	4878	10100	177	534	122	5.2e-06
Protein name			Locus Name		Acc#	
hypothetical protein T15B7.3			pir:T32250		T32250	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22906506_c3_309	4879	10101	882	2649	315	5.4e-25
Protein name			Locus Name		Acc#	
mobilization protein C			gp:AF118243		AF118243	
Description						
Bacteroides fragilis mobilization protein C (mobC) gene, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23486336_c1_146	4880	10102	77	234	63	0.0098

Protein name

Locus Name

Acc#

R07E5.1 protein (clone R07E5)

pir:S43604

S43604

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2350306_c1_144	4881	10103	100	303	111	1.5e-06

Protein name

Locus Name

Acc#

hypothetical protein PH0217

pir:G71244

G71244

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23860937_c2_219	4882	10104	186	561	149	1.4e-10

Protein name

Locus Name

Acc#

sp:YPSA_BACSU

P50838

Description

HYPOTHETICAL 21.1 KD PROTEIN IN COTD-KDUD INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24265637_f1_12	4883	10105	131	396		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24480382_f1_35	4884	10106	154	465		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24489062_f3_120	4885	10107	286	861		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24504062_f1_14	4886	10108	211	636		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24642200_c2_262	4887	10109	192	576		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24693836_c2_230	4888	10110	191	576		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25589017_c1_192	4889	10111	233	702		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25627153_f3_143	4890	10112	74	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25878812_f1_10	4891	10113	109	330	85	0.0044

Protein name

Locus Name

Acc#

antigen 5401

pir:A60643

A60643

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26442203_f3_104	4892	10114	278	837	125	2.0e-05

Protein name

Locus Name

Acc#

chromosome partitioning ATPase Soj

pir:D75570

D75570

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26752162_f2_60	4893	10115	213	642		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26761662_f2_71	4894	10116	359	1080		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29354192_c2_253	4895	10117	349	1050	79	0.027
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			gp:S83195		S83195	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3136318_c1_189	4896	10118	226	681	108	2.3e-08
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
sperm mitochondrial capsule selenoprotein			pir:A37199		A37199	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31423591_f1_17	4897	10119	116	351	116	7.5e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
major ampullate fibroin protein			pir:A36068		A36068	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
31432007_c2_234	4898	10120	101	306	118	3.8e-06
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
KIAA0775 protein			gp:AB018318		AB018318	
<u>Description</u>						
Homo sapiens mRNA for KIAA0775 protein, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31836561_c1_166	4899	10121	596	1791	313	3.1e-27

Protein name

Locus Name

Acc#

gp:CBGIDPAB

Y10436

Description

C.burnetii put. genes for encoding glucose inhibited divisionprotein A and B.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33398568_c1_145	4900	10122	78	237		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33792215_f2_67.....	4901	10123	457	1374		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34119841_f2_54.....	4902	10124	240	723	111	0.00096

Protein name

Locus Name

Acc#

troponin T

pir:S02708

S02708

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34181583_f3_116	4903	10125	194	585		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34407575_f1_20	4904	10126	155	468		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34413942_f2_55	4905	10127	101	306		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34473416_c2_223	4906	10128	251	756		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34495965_f1_31	4907	10129	110	333		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
34652032_f3_107	4908	10130	407	1224	162	3.0e-08

Protein name

Locus Name

Acc#

hypothetical 119.5K protein (uvrA region):ORF
1 protein

pir:JQ0405

JQ0405

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
35239458_c1_179	4909	10131	134	405	100	3.5e-06

Protein name

Locus Name

Acc#

latent nuclear antigen

gp:AF083501

AF083501

Description

Macaca mulatta rhadinovirus 17577 R1, dihydrofolate reductase, complement binding protein, ssDNA binding protein, transport protein, glycoprotein B, DNA polymerase, R2, thymidylate synthase, R3, Bcl-2 homolog, capsid protein, tegument protein, thymidine kinase, glycoprotein H, major capsid protein, capsid protein, kinase, alkaline exonuclease, glycoprotein M,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
35267567_c3_299	4910	10132	476	1431	89	0.0035

Protein name

Locus Name

Acc#

beta-D-galactosidase

gp:BRPLACZ01

M63097

Description

Brugia malayi beta-D-galactosidase (lacZ) mRNA, partial cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
36067343_c3_308	4911	10133	286	861	179	9.1e-12

Protein name

Locus Name

Acc#

MocB (Tn4399)

pir:B48487

B48487

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36150277_c1_164	4912	10134	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36442965_c3_270	4913	10135	69	210	63	0.014

Protein name

Locus Name

Acc#

envelope protein

gp:HTVENVHE

M61052

Description

Human T-cell leukemia virus I (HTLV1) envelope (env) gene, 5' end.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36509443_c3_131	4914	10136	684	2055	375	1.7e-31

Protein name

Locus Name

Acc#

hypothetical protein sir1135

pir:S77439

S77439

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
36520337_c1_196	4915	10137	132	399		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
400767_c3_284	4916	10138	168	507	228	6.1e-19

Protein name

Locus Name

Acc#

DNA repair protein RadC

pir:C70439

C70439

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4027135_f3_110	4917	10139	337	1014		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
500925_c3_266	4918	10140	442	1329	867	1.2e-86

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
593752_f1_16	4919	10141	104	315	81	6.7e-05

Protein name

Locus Name

Acc#

hypothetical protein

pir:B40505

B40505

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
813902_f3_132	4920	10142	112	339	83	0.0034

Protein name

Locus Name

Acc#

putative resolvase

gp:DASOR

Description

Desulfurolobus ambivalens tnpA, tnpB, ribD and sor genes and ORF2, ORF3, ORF4 and ORF5.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12944067_f2_4	4921	10143	334	1005		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4095192_f1_1	4922	10144	309	930		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1226063_g3_5	4923	10145	174	522		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
183_g1_18	4924	10146	425	1278	1208	8.6e-123

Protein name Locus Name Acc#

sp:KBL_ECOLI P07912

Description

(GLYCINE ACETYLTRANSFERASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25783462_f1_7	4925	10147	244	735		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
34181515_f2_8	4926	10148	349	1050		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5189062_g2_27	4927	10149	139	420	77	0.018

Protein name

Locus Name

Acc#

hypothetical protein PH0778

pir:D71126

D71126

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5257762_f2_9	4928	10150	309	930	106	0.0078

Protein name

Locus Name

Acc#

gp:D42067

D42067

Description

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
676887_f1_5	4929	10151	68	207	130	1.5e-08
Protein name			Locus Name		Acc#	
			gp:VCH231106		AJ231106	
Description						
Vibrio cholerae z47f gene.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
785285_f2_11	4930	10152	324	975	570	3.5e-55
Protein name			Locus Name		Acc#	
hypothetical protein F08F3.4			pir:T29433		T29433	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10757933_f2_49	4931	10153	589	1770	107	3.4e-07
Protein name			Locus Name		Acc#	
unknown			gp:U96771		U96771	
Description						
Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10938205_c1_106	4932	10154	1060	3183	565	1.8e-57
Protein name			Locus Name		Acc#	
beta-N-Acetylglucosaminidase			gp:AB008771		AB008771	
Description						
Streptomyces thermoviolaceus nagA gene for beta-N-Acetylglucosaminidase, complete cds.						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
14657927_f3_70	4933	10155	242	729	563	1.9e-54

Protein name

Locus Name

Acc#

sp:Y796_METJA

Q58206

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN MJ0796

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
17010202_f2_40	4934	10156	148	447	218	1.5e-17

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH695

pir:F69192

F69192

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
1995305_f3_73	4935	10157	261	786	214	1.8e-17

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
19972762_g2_124	4936	10158	1007	3024	566	5.9e-58

Protein name

Locus Name

Acc#

beta-N-Acetylglucosaminidase

gp:AB008771

AB008771

Description

Streptomyces thermoviolaceus nagA gene for beta-N-Acetylglucosaminidase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
212757_c1_80	4937	10159	466	1401	247	8.9e-24

Protein name

Locus Name

Acc#

sp:MUTS_THEAQ

Q56215

Description

DNA MISMATCH REPAIR PROTEIN MUTS

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21681502_f3_74	4938	10160	310	933	200	3.2e-14

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23475053_f1_20	4939	10161	1085	3258	583	1.8e-93

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24072250_c3_154	4940	10162	343	1032	512	4.9e-49

Protein name

Locus Name

Acc#

glucose kinase

gp:BMGLUCKIN

AJ000005

Description

Bacillus megaterium glk gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24651537_F2_41	4941	10163	368	1107	156	3.4e-16
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein slr1207			pir:S77541		S77541	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25557818_F2_42	4942	10164	450	1353	662	6.2e-65
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
immunoreactive 51kD antigen PG52			gp:AF175719		AF175719	
<u>Description</u>						

Porphyromonas gingivalis strain W50 immunoreactive 51kD antigenPG52 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26600932_F1_17	4943	10165	119	360	299	1.8e-26
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
			sp:RL19_STRTR		O34031	
<u>Description</u>						

50S RIBOSOMAL PROTEIN L19

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
267027_F1_26	4944	10166	117	351	86	0.027
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
hypothetical protein BB0794			pir:A70199		A70199	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26750178_c1_104	4945	10167	266	801	199	5.1e-15

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
UDP-sugar hydrolase	pir:A72201	A72201
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3.163392_t2_51	4946	10168	724	2175	1095	8.1e-111

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
melibiase	gp:TEMELA	Y08557
<u>Description</u>		

T.ethanolicus melA and lacA genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
35978253_c2_129	4947	10169	1029	3087	454	2.3e-73

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
115K outer membrane protein precursor:SusC protein	pir:JC6027	JC6027
<u>Description</u>		

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4115927_c1_81	4948	10170	202	609		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
<u>Description</u>		

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4305138_f1_22	4949	10171	538	1617	156	9.3e-14
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
alpha-xylosidase	pir:A72394				A72394	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4409540_f2_39	4950	10172	436	1311	305	4.2e-27
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
conserved hypothetical protein yknZ	pir:E69858				E69858	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5086542_f1_19	4951	10173	280	843	226	3.0e-18
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
hypothetical protein	pir:S76946				S76946	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5273438_f3_76	4952	10174	183	552	150	1.8e-09
<u>Protein name</u>	<u>Locus Name</u>				<u>Acc#</u>	
putative alpha-glucosidase	gp:AAC252161				AJ252161	
<u>Description</u>						

Alicyclobacillus acidocaldarius maltose/maltodextrine transportgene region (malEFGR genes, cdaA gene and glcA gene).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5339381_f3_75	4953	10175	116	351	157	3.1e-10

Protein name

Locus Name

Acc#

putative alpha-glucosidase

gp:AAC252161

AJ252161

Description

Alicyclobacillus acidocaldarius maltose/maltodextrine transportgene region (malEFGR genes, cdaA gene and glcA gene).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
822127_c1_105	4954	10176	291	876	328	6.1e-29

Protein name

Locus Name

Acc#

sp:5NTD_DISOM

P29240

Description

5'-NUCLEOTIDASE PRECURSOR, (ECTO-NUCLEOTIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10345327_c2_2	4955	10177	114	345	266	1.2e-21

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13099158_c3_48	4956	10178	118	357		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16589717_c2_28	4957	10179	301	906	167	2.2e-09

Protein name

Locus Name

Acc#

gp:MMSAG

X84710

Description

M.mazei surface antigen genes orf492, orf375 and orf783.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24024182_f3_13	4958	10180	311	936		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24068841_c3_46	4959	10181	281	846		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25422331_c3_47	4960	10182	518	1557		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26370887_c3_45	4961	10183	179	540		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29511635_c3_44	4962	10184	106	321	84	0.0076

Protein name

Locus Name

Acc#

hypothetical protein BB0212

pir:D70126

D70126

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3001566_f3_12	4963	10185	318	957	103	0.024

Protein name

Locus Name

Acc#

probable chitinase

pir:T42071

T42071

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32040953_c1_22	4964	10186	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35143_f3_14	4965	10187	624	1875	371	1.6e-44

Protein name

Locus Name

Acc#

otnA protein

pir:S70958

S70958

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6495337_f1_1	4966	10188	132	399		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13100885_f1_1	4967	10189	316	951	129	2.4e-05

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

hypothetical protein slr1515	pir:S75464	S75464
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
1219538_c2_95	4968	10190	508	1527	195	7.9e-17

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

unknown	gp:U96771	U96771
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Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
13672753_c2_88	4969	10191	572	1719	613	9.7e-60

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

carboxyl-terminal proteinase	pir:F70369	F70369
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Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14492660_c2_98	4970	10192	71	213		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14631626_f3_55	4971	10193	149	450		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
23548552_c2_90	4972	10194	772	2319	3902	0.0

Protein name Locus Name Acc#

beta-glucosidase gp:AF006658 AF006658

Description

Bacteroides fragilis beta-glucosidase gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24806576_c2_89	4973	10195	948	2847	104	7.9e-05

Protein name Locus Name Acc#

unknown gp:AF124349 AF124349

Description

Zymomonas mobilis ZM4 fosmid clone 41A4, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26385883_c3_101	4974	10196	360	1083	419	3.5e-39

Protein name

Locus Name

Acc#

sp:YZ37_SYNY3

Q55480

Description

HYPOTHETICAL SUGAR KINASE SLR0537

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33242062_c3_100	4975	10197	824	2475	802	8.8e-82

Protein name

Locus Name

Acc#

hypothetical protein TM0280

pir:F72395

F72395

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33864378_c1_78	4976	10198	1009	3030	432	1.3e-92

Protein name

Locus Name

Acc#

receptor antigen (RagA)

sp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4413377_c2_97	4977	10199	576	1731	136	5.4e-06

Protein name

Locus Name

Acc#

sp:XYNB_PRERU

P48791

Description

1,4-BETA-XYLOSIDASE) (EXO-BETA-(1,4)-XYLANASE)

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4961578_c2_86	4978	10200	514	1545		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
984512_c2_96	4979	10201	437	1314		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15797080_f3_1	4980	10202	113	342		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24806591_c1_2	4981	10203	89	267	226	6.0e-18

Protein name

Locus Name

Acc#

sp:YNHE_ECOLI

P77522

Description

HYPOTHETICAL 56.3 KD PROTEIN IN LPP-AROD INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25815841_c3_4	4982	10204	77	234	223	2.1e-18
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Protein name

Locus Name

Acc#

probable oxidoreductase

pir:T34993

T34993

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

11854168_t3_1	4983	10205	187	564	317	2.2e-28
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Protein name

Locus Name

Acc#

4-methyl-5(b-hydroxyethyl)-thiazole
monophosphate biosynthesis protein (thiJ)
homolog

pir:D70177

D70177

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21595663_c2_2	4984	10206	134	402	200	1.3e-14
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC
protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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10944505_f3_7	4985	10207	70	213		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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13707938_f1_1	4986	10208	374	1125	106	0.0014
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Protein name

Locus Name

Acc#

omp85 analog

pir:D72094

D72094

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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17070300_c3_15	4987	10209	69	210		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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24431268_f2_5	4988	10210	187	564		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
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25786067_f3_8	4989	10211	68	207	104	0.00010
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Protein name

Locus Name

Acc#

sp:YJDB_ECOLI

Description

HYPOTHETICAL 61.7 KD PROTEIN IN BASS-ADIY INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32031466_f1_3	4990	10212	133	402	100	0.00026

Protein name

Locus Name

Acc#

sp:YBIP_ECOLI

P75785

Description

HYPOTHETICAL 59.7 KD PROTEIN IN OMPX-MOEB INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10635006_f1_1	4991	10213	107	324		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23475780_c2_2	4992	10214	288	864		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23991662_f1_1	4993	10215	210	633	553	2.2e-53

Protein name

Locus Name

Acc#

mobilization protein A

gp:AF118241

AF118241

Description

Bacteroides fragilis mobilization protein A (mobA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12541385_c2_36	4994	10216	104	312		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20588187_c2_30	4995	10217	276	831	91	0.047

Protein name

Locus Name

Acc#

polymorphic outer membrane protein G family

gp:AB033794

AB033794

Description

Chlamydophila pneumoniae pmp_3.1 gene for polymorphic outer membrane protein G family, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21914762_c2_32	4996	10218	61	186		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22265701_f2_8	4997	10219	495	1488		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24641877_c3_38	4998	10220	115	348		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25597781_c3_40	4999	10221	555	1668		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
4110090_c3_37	5000	10222	358	1077	104	0.032

Protein name

Locus Name

Acc#

hypothetical protein Y26D4A.9

pir:T26569

T26569

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
5164042_c1_28	5001	10223	209	630		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15911275_c1_24	5002	10224	337	1014		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26368757_c2_29	5003	10225	126	381		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2736657_c2_31	5004	10226	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4900250_f3_17	5005	10227	708	2127	929	3.3e-178

Protein name

Locus Name

Acc#

conserved hypothetical protein ydcI

pir:G69773

G69773

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6054083_c2_36	5006	10228	108	324	75	0.0099

Protein name

Locus Name

Acc#

E3 class 2 protein

pir:B46308

B46308

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6285817_c3_37	5007	10229	277	834		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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14882768_f3_29	5008	10230	304	912	587	5.5e-57
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Protein name

Locus Name

Acc#

conserved hypothetical protein yisQ

pir:H69837

H69837

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

15042062_f3_25	5009	10231	257	774	213	2.4e-17
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Protein name

Locus Name

Acc#

gp:SPU59236

U59236

Description

Synechococcus PCC7942 ribosomal protein S1 of 30S ribosome (rps1), ORF271, ORF231, ORF341, carboxyltransferase alpha subunit (accA), ORF245, ORF227, and GTP cyclohydrolase I (folE) genes, completecds, and ORF205 gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

16829637_f3_23	5010	10232	118	357	213	2.4e-17
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Protein name

Locus Name

Acc#

sp:YEBC_ECOLI

Description

HYPOTHETICAL 20.3 KD PROTEIN IN PRC-PPHA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

24800063_c3_62	5011	10233	66	201		
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Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25943937_f3_28	5012	10234	152	459		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
29473527_f1_1	5013	10235	160	483	198	1.8e-14

Protein name

Locus Name

Acc#

two component sensor

gp:AF030352

AF030352

Description

Pseudomonas aeruginosa two component sensor (IemA) gene, partialcds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3398391_f3_27	5014	10236	463	1392	414	1.2e-38

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G72220

G72220

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
3947162_f3_22	5015	10237	583	1752	540	5.3e-52

Protein name

Locus Name

Acc#

2',3'-cyclic-nucleotide 2'-phosphodiesterase, precursor

pir:H64532

H64532

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4477328_f2_13	5016	10238	112	339		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4960936_f1_7	5017	10239	766	2301	252	7.1e-18

Protein name

Locus Name

Acc#

sp:CIRA_ECOLI

P17315

Description

COLICIN I RECEPTOR PRECURSOR

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
86037_c1_32	5018	10240	224	675		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13105192_c3_22	5019	10241	653	1962		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

26369015_c2_21	5020	10242	840	2520	440	7.4e-74
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4408275_c3_23	5021	10243	62	189		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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25832158_f1_1	5022	10244	191	576	475	4.1e-45
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Protein name

Locus Name

Acc#

hypothetical protein jhp0042

pir:H71981

H71981

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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3382312_f1_1	5023	10245	202	609	127	1.3e-05
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Protein name

Locus Name

Acc#

TonB-dependent receptor HmuR

gp:PGU87395

U87395

Description

Porphyromonas gingivalis TonB-dependent receptor HmuR (hmuR) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1038140_f1_2	5024	10246	1095	3288		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10585927_f1_12	5025	10247	89	270		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10979687_c3_125	5026	10248	136	411	330	9.4e-30

Protein name

Locus Name

Acc#

sp:MSCL_ERWCA

068284

Description

LARGE-CONDUCTANCE MECHANOSENSITIVE CHANNEL

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11751442_f1_1	5027	10249	93	282		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13017676_c1_85	5028	10250	176	531	133	1.2e-07
Protein name			Locus Name		Acc#	
trsI protein (traI)			gp:AE001272		AE001272	
Description						
Lactococcus lactis DPC3147 plasmid pMRC01, complete plasmidsequence.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13781250_c2_106	5029	10251	67	204	202	3.5e-16
Protein name			Locus Name		Acc#	
hypothetical protein 1			pir:I40237		I40237	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13932825_f3_50	5030	10252	721	2166	121	0.00075
Protein name			Locus Name		Acc#	
			gp:T7CG			
Description						
Genome of bacteriophage T7.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14315933_c1_75	5031	10253	140	423		
Protein name			Locus Name		Acc#	
Description						
NO-HIT						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16531331_c3_128	5032	10254	292	879	90	0.00059

Protein name	Locus Name	Acc#
ras interacting protein RIPA	gp:AF159241	AF159241

Description

Dictyostelium discoideum ras interacting protein RIPA (ripA) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23636550_f2_25	5033	10255	281	846	154	7.3e-10

Protein name	Locus Name	Acc#
tetracycline resistance element mobilization regulatory protein rteC	pir:A36927	A36927

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23674130_c2_107	5034	10256	415	1248	137	5.2e-06

Protein name	Locus Name	Acc#
clostripain-related protein	pir:B72351	B72351

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23954136_c2_119	5035	10257	85	258		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24641637_c2_103	5036	10258	232	699	485	3.5e-46

Protein name

Locus Name

Acc#

sp:AQPZ_ECOLI

Description

AQUAPORIN Z (BACTERIAL NODULIN-LIKE INTRINSIC PROTEIN)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24645261_c3_132	5037	10259	378	1137	395	1.2e-36

Protein name

Locus Name

Acc#

sp:YHCG_ECOLI

P45423

Description

HYPOTHETICAL 43.3 KD PROTEIN IN GLTF-NANT INTERGENIC REGION (O375)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2537562_c1_69	5038	10260	120	363		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26594087_f2_26	5039	10261	138	417		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32317217_f1_4	5040	10262	143	432		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32442125_c1_70.....	5041	10263	235	708	170	1.8e-13

Protein name

Locus Name

Acc#

immunoreactive 42kD antigen PG33

gp:AF175715

AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32453507_c1_74.....	5042	10264	91	276	76	0.023

Protein name

Locus Name

Acc#

elongation factor Ts

gp:AF195952

AF195952

Description

Phaeodactylum tricornutum ribulose-1,5-bisphosphatecarboxylase/oxygenase large subunit (rbcL), ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit(rbcS), and elongation factor Ts (EF-Ts) genes, complete cds;chloroplast genes for chloroplast products.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33397331_c3_126.....	5043	10265	87	264		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35292938_f3_53	5044	10266	143	432		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4116262_c2_105	5045	10267	98	297	169	1.1e-12

Protein name

Locus Name

Acc#

DNA-binding protein, HU

pir:H72396

H72396

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4159811_c1_93	5046	10268	81	246		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5110942_c2_109	5047	10269	546	1641	912	2.0e-91

Protein name

Locus Name

Acc#

DNA topoisomerase III topB

pir:H69724

H69724

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5250000_c2_108	5048	10270	517	1554	178	4.0e-10

Protein name	Locus Name	Acc#
high molecular weight glutenin subunit	gp:ASU39229	U39229

Description

Aegilops tauschii high molecular weight glutenin subunit (Glu-1-2) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5895187_f1_5	5049	10271	165	498		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6525286_f2_30.....	5050	10272	69	210		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13869003_f3_3.....	5051	10273	163	492	183	3.6e-14

Protein name	Locus Name	Acc#

unknown	gp:AF048749	AF048749
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Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22469452_f3_2	5052	10274	174	525	174	3.2e-13

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34266886_c1_4	5053	10275	122	369		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
781932_f1_1	5054	10276	308	927	528	9.5e-50

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23631887_c3_5	5055	10277	268	807	151	1.0e-08

Protein name

Locus Name

Acc#

sp:HOLB_HAEIN

P43748

Description

DNA POLYMERASE III, DELTA' SUBUNIT,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16445326_f3_22	5056	10278	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
16603377_f2_15	5057	10279	559	1680	122	0.00036

Protein name

Locus Name

Acc#

carboxyl-terminal proteinase
ctpB:hypothetical protein slr0257:hypothetical
protein slr0257

pir:S74579

S74579

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
187540_c2_32	5058	10280	171	516		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24412632_c3_35	5059	10281	84	255		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648941_c3_41	5060	10282	498	1494	755	8.7e-75

Protein name

Locus Name

Acc#

putative TonB-dependent outer membrane receptor

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25785191_c3_34	5061	10283	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29453375_c1_26.....	5062	10284	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
29739375_c1_25.....	5063	10285	931	2796	136	0.00047

Protein name

Locus Name

Acc#

hypothetical protein PFB0540w

pir:D71612

D71612

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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3145252_c1_24	5064	10286	278	837	139	1.3e-06
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Protein name

Locus Name

Acc#

sp:APRF_PSEAE

Q03027

Description

ALKALINE PROTEASE SECRETION PROTEIN APRF

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35194686_f3_23	5065	10287	249	750		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4335962_c3_40	5066	10288	228	687	92	0.0096
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Protein name

Locus Name

Acc#

putative HSP20

gp:AF072875

AF072875

Description

Mycobacterium smegmatis putative HSP20 (hsp) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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4892140_c3_39	5067	10289	475	1428	134	2.2e-05
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Protein name

Locus Name

Acc#

ORF MSV261 leucine rich repeat gene family

gp:AF063866

AF063866

Description

Melanoplus sanguinipes entomopoxvirus, complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10429567_f3_3	5068	10290	77	234		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103575_f3_4	5069	10291	394	1185	514	1.3e-54

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10995166_f2_44	5070	10292	63	192		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14665963_f2_30	5071	10293	393	1182	255	4.8e-20

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:H72273

H72273

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16676688_f1_1	5072	10294	492	1479	646	3.1e-63

Protein name

Locus Name

Acc#

conserved hypothetical protein yngK

pir:H69893

H69893

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21521937_c1_70	5073	10295	301	906	231	2.9e-19

Protein name

Locus Name

sp:SCRK_SALTY

Acc#

P26984

Description

FRUCTOKINASE,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24023457_f3_52	5074	10296	768	2307	373	8.2e-31

Protein name

Locus Name

sp:LEMA_PSESY

Acc#

P48027

Description

SENSOR PROTEIN LEMA,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24298262_c1_74	5075	10297	282	849	752	1.8e-74

Protein name

Locus Name

sp:PROW_ECOLI

Acc#

P14176

Description

GLYCINE BETAINE/L-PROLINE TRANSPORT SYSTEM PERMEASE PROTEIN PROW

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24478388_c2_101	5076	10298	285	858	453	8.7e-43

Protein name

Locus Name

gp:AF139575

Acc#

AF139575

Description

Lactococcus lactis BusAA (busAA) and glycine-betaine binding permease protein (busAB) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644706_c1_71	5077	10299	909	2730	391	2.7e-55
Protein name			Locus Name		Acc#	
hybrid histidine kinase			gp:AF029704		AF029704	
Description						
Dictyostelium discoideum hybrid histidine kinase (dhkD) mRNA, complete cds.						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648432_f1_10	5078	10300	214	645		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24660817_c3_113.....	5079	10301	281	846	1490	1.1e-152
Protein name			Locus Name		Acc#	
fructanase			pir:A36915		A36915	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26597136_c3_114.....	5080	10302	390	1173	268	1.3e-21
Protein name			Locus Name		Acc#	
			sp:GLUP_BRUAB		Q44623	
Description						
GLUCOSE/GALACTOSE TRANSPORTER						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2817217_c1_72	5081	10303	124	375	210	4.9e-17

Protein name

Locus Name

Acc#

sp:YBAZ_ECOLI

P75707

Description

HYPOTHETICAL 14.4 KD PROTEIN IN TESB-HHA INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
30084532_c2_100	5082	10304	412	1239	1028	1.0e-103

Protein name

Locus Name

Acc#

ATPase homolog GbuA

gp:AF039835

AF039835

Description

Listeria monocytogenes ATPase homolog GbuA (gbuA), putative glycinebetaine membrane transport protein GbuB (gbuB), and putative glycine betaine binding protein GbuC (gbuC) genes, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35681308_f1_14	5083	10305	102	309	125	5.0e-08

Protein name

Locus Name

Acc#

hypothetical protein APE2061

pir:G72510

G72510

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
429511_f2_31	5084	10306	192	579	132	9.0e-09

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G75555

G75555

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4712825_c1_88	5085	10307	398	1197		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
547752_f1_9	5086	10308	1193	3582	3762	0.0

Protein name

Locus Name

Acc#

pyruvate ferredoxin oxidoreductase

gp:CPA17727

Y17727

Description

Clostridium pasteurianum genes encoding putative pyruvateferredoxin oxidoreductase (8005 bp).

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2031461_c2_5	5087	10309	281	846	150	1.8e-08

Protein name

Locus Name

Acc#

hypothetical protein aq_1477

pir:D70428

D70428

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32431880_f2_1	5088	10310	280	843		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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21562667_f1_4	5089	10311	617	1854	2041	4.6e-211
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Protein name

Locus Name

Acc#

sp:ILVD_HAEIN

P44851

Description

DIHYDROXY-ACID DEHYDRATASE, (DAD)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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23712785_f2_10	5090	10312	569	1710	1245	1.0e-126
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Protein name

Locus Name

Acc#

acetolactate synthase, large subunit

pir:B72362

B72362

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

31908538_f2_7	5091	10313	235	708		
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Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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35204656_f1_6	5092	10314	80	240	64	0.0053
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Protein name

Locus Name

Acc#

capsid portal protein

gp:BIU32222

Description

Bacteriophage 186, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4822001_f3_12	5093	10315	718	2157	269	2.4e-20

Protein name

Locus Name

Acc#

gp:AF083424

AF083424

Description

Ateline herpesvirus 3 complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6678425_f2_9	5094	10316	397	1194		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23516942_c3_5	5095	10317	305	915		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25667631_c2_3	5096	10318	83	252	131	1.4e-08

Protein name

Locus Name

Acc#

sp:Y052_BORBU

051081

Description

HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE BB0052,

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2442257_f1_1	5097	10319	80	243		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26289650_f1_3	5098	10320	140	423	257	5.1e-22

Protein name

Locus Name

Acc#

sp:YM64_ARCFU

028020

Description

HYPOTHETICAL PROTEIN AF2264

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
31913933_c3_27	5099	10321	304	915		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4164011_f3_8	5100	10322	320	963	377	9.9e-35

Protein name

Locus Name

Acc#

sp:YXEH_BACSU

P54947

Description

HYPOTHETICAL 30.2 KD PROTEIN IN IDH-DEOR INTERGENIC REGION

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
6444402_f2_5	5101	10323	495	1488	1190	7.0e-121

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
cysteinyl-tRNA synthetase	pir:A75368	A75368

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12125931_f2_4	5102	10324	214	645	220	4.3e-18

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>
2,3,4,5-tetrahydropyridine-2-carboxylate N-succinyltransferase-related protein	pir:H72245	H72245

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
12988762_f2_5	5103	10325	62	189		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2813942_f2_3	5104	10326	73	222		

<u>Protein name</u>	<u>Locus Name</u>	<u>Acc#</u>

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12944677_c2_5	5105	10327	453	1359	302	7.3e-35

Protein name	Locus Name	Acc#
TonB-dependent receptor HmuR	gp:PGU87395	U87395

Description

Porphyromonas gingivalis TonB-dependent receptor HmuR (hmuR) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
22850381_c1_4	5106	10328	77	234		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14664017_c3_4	5107	10329	210	630	379	9.1e-34

Protein name	Locus Name	Acc#
receptor antigen (RagA)	gp:PGI130872	AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20164665_f1_1	5108	10330	68	207	51	0.0055

Protein name	Locus Name	Acc#
50kDa lectin	gp:BMO50KDAL	D14168

Description

Silk worm mRNA for 50kDa lectin, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2460837_f3_2	5109	10331	614	1845	556	9.9e-54
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
adenylate cyclase homolog			pir:T17197		T17197	
<u>Description</u>						

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
14923563_c1_10	5110	10332	145	438		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
15742327_f1_2	5111	10333	60	183		
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
<u>Description</u>						

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24398917_c1_11	5112	10334	193	582	302	8.7e-27
<u>Protein name</u>			<u>Locus Name</u>		<u>Acc#</u>	
conserved hypothetical protein			pir:G72380		G72380	
<u>Description</u>						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33772907_c2_15	5113	10335	117	354	71	0.026

Protein name

Locus Name

Acc#

HdcB

gp:00058865

U58865

Description

Oenococcus oeni histidine decarboxylase (hdcA) gene, complete cds;and HdcB (hdcB) gene, partial cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35267037_c2_16	5114	10336	117	354		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16541003_f3_3.....	5115	10337	64	195		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20500657_f3_4.....	5116	10338	515	1548	1069	4.6e-108

Protein name

Locus Name

Acc#

inorganic pyrophosphatase

gp:D88820

D88820

Description

Acetabularia mediterranea mRNA for inorganic pyrophosphatase, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10944500_c2_9	5117	10339	299	900	341	6.4e-31

Protein name

Locus Name

Acc#

gp:PIGUFMR

M30284

Description

Pig uteroferrin mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
834393_f1_1	5118	10340	163	492	407	6.5e-38

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76672

S76672

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1987750_f2_4	5119	10341	333	1002		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23704675_c3_10	5120	10342	300	903	1106	5.5e-112

Protein name

Locus Name

Acc#

heat shock protein 60

gp:BFO6516

AJ006516

Description

Bacteroides forsythus groEL gene, strain ATCC 43037.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4022312_c3_9	5121	10343	93	282	393	2.0e-36

Protein name

Locus Name

Acc#

sp:CH10_PORGI

P42376

Description

10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10394667_f2_16	5122	10344	123	372		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14496030_f1_8	5123	10345	227	684		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15742327_c2_71	5124	10346	60	183		

Protein name

Locus Name

Acc#

Description

NO-HIT

CH10_PORGI

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19562800_f2_14	5125	10347	327	984		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19814057_f1_7	5126	10348	224	675		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23438557_f1_13	5127	10349	397	1194		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23554057_f1_10	5128	10350	75	228	71	0.039

Protein name

Locus Name

Acc#

sp:UCRH_YEAST

P00127

Description

(MITOCHONDRIAL HINGE PROTEIN) (COMPLEX III POLYPEPTIDE VI)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24024067_f1_5	5129	10351	810	2433	224	2.5e-28

Protein name

Locus Name

Acc#

gp:BFU63096

U63096

Description

Bacteroides fragilis (bctA) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24398917_f3_50	5130	10352	193	582	304	5.4e-27

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G72380

G72380

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24648436_f1_3	5131	10353	204	615		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
253783_c1_64	5132	10354	73	222		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25442675_f1_4	5133	10355	140	423		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25633287_f1_9	5134	10356	62	189		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25633312_f3_47	5135	10357	434	1305		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26568908_f3_30	5136	10358	154	465		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
26758568_f3_43	5137	10359	283	852	94	0.045

Protein name

Locus Name

Acc#

H⁺-transporting ATP synthase, protein 6

pir:T11121

T11121

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26854156_f1_2	5138	10360	548	1647	143	7.1e-06
Protein name			Locus Name		Acc#	
hypothetical protein H02F09.3			pir:T33369		T33369	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32066943_c1_62	5139	10361	148	447		
Protein name			Locus Name		Acc#	
Description			NO-HIT			

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32069681_f3_45	5140	10362	204	615	78	0.014
Protein name			Locus Name		Acc#	
ATP synthase, subunit F			pir:H69227		H69227	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
32229662_f1_6	5141	10363	177	534	108	5.4e-05
Protein name			Locus Name		Acc#	
Description			sp:YPI6_CLOPE		P18017	
HYPOTHETICAL 19.7 KD PROTEIN (ORF6)						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4409433_c3_95	5142	10364	151	456	85	0.049

Protein name	Locus Name	Acc#
ORF MSV223 hypothetical protein	gp:AF063866	AF063866

Description

Melanoplus sanguinipes entomopoxvirus, complete genome.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
831463_c1_56	5143	10365	217	654		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23612512_c2_5.....	5144	10366	204	615	141	9.2e-08

Protein name	Locus Name	Acc#
integrase IntN1	gp:BUU51917	U51917

Description

Bacteroides uniformis insertion element NBU1 fragment, integraseIntN1 gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24219066_i3_2.....	5145	10367	71	216	52	0.015

Protein name	Locus Name	Acc#
	sp:G3P_SCHMA	P20287

Description

LARVAL SURFACE ANTIGEN) (P-37)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4103388_c3_9	5146	10368	79	240	62	0.0027
Protein name			Locus Name		Acc#	
neuroendocrine protein 7B2			pir:S03938		S03938	
Description						

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4960925_c3_10	5147	10369	150	450		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5255160_c1_4	5148	10370	72	219		
Protein name			Locus Name		Acc#	
Description						

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5266880_c2_7	5149	10371	205	615	276	1.1e-23
Protein name			Locus Name		Acc#	
methyl transferase			gp:STRMTR		L29323	
Description						

Streptococcus pneumoniae methyl transferase gene cluster, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2812785_c2_6	5150	10372	276	828	286	3.8e-24

Protein name

Locus Name

Acc#

sp:BGAL_HUMAN

P16278

Description

GALACTOSIDASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5867213_c1_4	5151	10373	217	654		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
13085162_f2_14.....	5152	10374	362	1089		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20082962_f2_13.....	5153	10375	205	618	384	1.3e-34

Protein name

Locus Name

Acc#

beta-glucosidase

gp:RAU92808

U92808

Description

Ruminococcus albus beta-glucosidase (gluA) mRNA, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
24644575_c1_33	5154	10376	292	879	227	2.6e-18

Protein name

Locus Name

Acc#

sp:YIBP_ECOLI

P37690

Description

HYPOTHETICAL 46.6 KD PROTEIN IN SECB-TDH INTERGENIC REGION

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4476427_c1_34	5155	10377	1050	3153	334	3.3e-26

Protein name

Locus Name

Acc#

bZIP histidine kinase

gp:PPUY18245

Y18245

Description

Pseudomonas putida todX, todF, todC1, todC2, todB, todA, todD, todE, todG, todI, todH, todS, todT genes.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
5275033_c2_40.....	5156	10378	301	906	232	2.3e-19

Protein name

Locus Name

Acc#

response regulator DrrA

pir:D72228

D72228

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
7129666_f1_1.....	5157	10379	649	1950	914	1.2e-91

Protein name

Locus Name

Acc#

sp:BGLS_AGRTU

P27034

Description

GLUCOSIDE GLUCOHYDROLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10251900_c1_94	5158	10380	216	651		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10662758_f1_22	5159	10381	183	552	271	1.7e-23

Protein name

Locus Name

Acc#

gp:ATAC006202

AC006202

Description

Arabidopsis thaliana chromosome II BAC T3B23 genomic sequence, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10962692_c2_116	5160	10382	194	585	96	0.0022

Protein name

Locus Name

Acc#

hypothetical protein c04040

pir:S75406

S75406

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12194150_f2_41	5161	10383	235	708	131	3.9e-10

Protein name

Locus Name

Acc#

sp:YS29_MYCTU

P71786

Description

HYPOTHETICAL 27.1 KD PROTEIN CY277.29C

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12687826_f1_16	5162	10384	413	1242	1308	2.2e-133

Protein name

Locus Name

Acc#

sp:UXUA_HAEIN

P44488

Description

MANNONATE DEHYDRATASE, (D-MANNONATE HYDROLASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14588387_c3_163	5163	10385	93	282		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
178405_f1_19	5164	10386	131	396		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
20593760_f3_62	5165	10387	254	765	228	6.2e-28

Protein name

Locus Name

Acc#

dihydrodipicolinate reductase

pir:A72246

A72246

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
21897192_f1_24	5166	10388	324	975	215	3.8e-16

Protein name

Locus Name

Acc#

hypothetical protein 7

pir:S20799

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
2225275_c2_120	5167	10389	61	186		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22381561_f3_59	5168	10390	411	1236		

Protein name Locus Name Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
22851526_f1_6	5169	10391	528	1587	1117	3.8e-113

Protein name Locus Name Acc#

hypothetical protein mexF pir:T30830 T30830

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24005316_f1_15	5170	10392	284	855	696	1.5e-68

Protein name Locus Name Acc#

oxidoreductase gp:NOSHRMA L37087

Description

Nostoc sp. ATCC 29133 oxidoreductase (hrmU) and HrmA (hrmA) genes, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24225682_f1_5	5171	10393	394	1185	493	5.0e-47

Protein name

Locus Name

Acc#

sp:YHIU_ECOLI

P37636

Description

PRECURSOR

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24509680_f2_40	5172	10394	312	939	152	7.8e-16

Protein name

Locus Name

Acc#

prokaryotic type I signal peptidase SipF

gp:AF065159

AF065159

Description

Bradyrhizobium japonicum putative arylsulfatase (arsA), putative soluble lytic transglycosylase precursor (sltA), dihydrodipicolinate synthase (dapA), MscL (mscL), SmpB (smpB), BcpB (bcpB), RnpO (rnpO), RelA/Spot homolog (relA), PdxJ (pdxJ), and acyl carrier protein synthase AcpS (acpS) genes, complete cds; prokaryotic type I signal peptidase SipF (sipF) gene, sipF-sipS allele,

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24615787_f1_7	5173	10395	491	1476	503	4.4e-48

Protein name

Locus Name

Acc#

OprM

gp:AB011381

AB011381

Description

Pseudomonas aeruginosa gene for OprM, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT</u> <u>Length</u>	<u>AA</u> <u>Length</u>	<u>Score</u>	<u>Probability</u>
24651437_f3_60	5174	10396	312	939	247	5.9e-21

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:H72417

H72417

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
25820437_f3_56	5175	10397	564	1695	827	9.8e-85

Protein name	Locus Name	Acc#
hypothetical protein mexF	pir:T30830	T30830

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26360717_c1_109	5176	10398	208	627	321	8.5e-29

Protein name	Locus Name	Acc#
phosphoglycolate phosphatase (gph) homolog	pir:C70184	C70184

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26617128_f2_47	5177	10399	171	516	354	2.7e-32

Protein name	Locus Name	Acc#
polysialic acid capsule expression protein	pir:B70434	B70434

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
26678200_f2_27	5178	10400	1030	3093	1827	2.2e-188

Protein name	Locus Name	Acc#
beta-galactosidase	gp:AF055482	AF055482

Description

Thermotoga neapolitana galactose utilization operon, complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
3001251_c1_93	5179	10401	450	1353		

Protein name	Locus Name	Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33593963_c2_136	5180	10402	74	225		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
33625658_f2_30.....	5181	10403	275	828	453	8.7e-43

Protein name

Locus Name

Acc#

sp:LPXA_ECOLI

Description

(EC 2.3.1.129) (UDP-N-ACETYLGLUCOSAMINE ACYLTRANSFERASE)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34022832_c3_147.....	5182	10404	433	1302	508	1.3e-48

Protein name

Locus Name

Acc#

sp:YMXG_BACSU

Q04805

Description

HYPOTHETICAL PROCESSING PROTEASE, (ORFP)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4484712_f1_14.....	5183	10405	498	1497	173	1.5e-21

Protein name

Locus Name

Acc#

sp:LEP_SALTY

P23697

Description

SIGNAL PEPTIDASE I, (SPASE I) (LEADER PEPTIDASE I)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
549091_c3_174	5184	10406	112	339		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
60356.75...f2...49.....	5185	10407	371	1116	295	4.8e-26

Protein name

Locus Name

Acc#

protein-tyrosine phosphatase

gp:AB028630

AB028630

Description

Clostridium perfringens hyp27, bach, ptp, cpd genes for hypothetical protein, bacterial hemoglobin, protein-tyrosine phosphatase, 2', 3'-cyclic nucleotide 2'-phosphodiesterase, partial and complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
6837.782...c1...96.....	5186	10408	214	645		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
84790...f3...73.....	5187	10409	485	1455	880	4.9e-88

Protein name

Locus Name

Acc#

ATP-dependent RNA helicase homolog ydbR

pir:D69772

D69772

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
12402186_c3_12	5188	10410	144	432		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15628378_c1_8	5189	10411	375	1128	356	4.5e-32

Protein name

Locus Name

Acc#

histidine kinase

gp:AF114442

AF114442

Description

Nostoc punctiforme histidine kinase (hepK) gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
23633456_c3_10	5190	10412	124	375	302	2.6e-26

Protein name

Locus Name

Acc#

2,3-bisphosphoglycerate-independent

gp:AF120091

AF120091

Description

Bacillus stearothermophilus
2,3-bisphosphoglycerate-independent phosphoglycerate mutase (pgm) gene,
complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
10554662_f3_32	5191	10413	186	561	212	3.0e-17

Protein name

Locus Name

Acc#

sp:YP20_BACLI

P05332

Description

HYPOTHETICAL P20 PROTEIN

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
11777161_c3_65	5192	10414	65	198		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
14648512_f3_34	5193	10415	115	348	280	1.9e-24

Protein name

Locus Name

Acc#

hypothetical protein MTH1452

pir:D69060

D69060

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16676505_c2_62	5194	10416	404	1215	226	2.7e-16

Protein name

Locus Name

Acc#

probable hydrolase

pir:T37132

T37132

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
16832885_f3_43	5195	10417	310	933	1023	3.5e-103

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
19610637_f1_6	5196	10418	229	690		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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19728433_c1_49	5197	10419	429	1290	244	4.2e-18
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Protein name	Locus Name	Acc#
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DNA damage-inducible protein. PAB1438	pir:C75053	C75053
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Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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22860128_f1_8	5198	10420	83	252	64	0.031
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Protein name	Locus Name	Acc#
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sp:SPRC_XENLA	P36378
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Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

23601000_f1_3	5199	10421	84	255	75	0.039
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Protein name	Locus Name	Acc#
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FAA	gp:AC005565	AC005565
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Description

Homo sapiens chromosome 16, cosmid clone 444B9 (LANL), complete sequence.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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24410587_c2_63	5200	10422	231	696		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24415902_f2_18	5201	10423	630	1893		

Protein name

Locus Name

Acc#

Description

NO-HIT

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24625311_f3_42	5202	10424	277	834	1272	1.4e-129

Protein name

Locus Name

Acc#

7-alpha-hydroxysteroid dehydrogenase

gp:AF173833

AF173833

Description

Bacteroides fragilis 7-alpha-hydroxysteroid dehydrogenase (hdhA) gene, complete cds.

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
24726537_f3_39	5203	10425	71	216	56	0.021

Protein name

Locus Name

Acc#

hypothetical protein C0510w

pir:T18460

T18460

Description

<u>ORF Name</u>	<u>NTID</u>	<u>AAID</u>	<u>NT Length</u>	<u>AA Length</u>	<u>Score</u>	<u>Probability</u>
25600250_c2_57	5204	10426	320	963		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26305349_c1_44	5205	10427	90	273	156	3.5e-10
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Protein name

Locus Name

Acc#

sp:FE0B_METJA

Q57986

Description

FERROUS IRON TRANSPORT PROTEIN B HOMOLOG

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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26595317_c2_59	5206	10428	156	471	302	8.7e-27
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Protein name

Locus Name

Acc#

hypothetical protein SCI30A.19

pir:T36799

T36799

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

36150277_f1_5	5207	10429	286	861	199	6.9e-15
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Protein name

Locus Name

Acc#

transcription regulator AraC/XylS family
homolog ydeE

pir:G69777

G69777

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

4953387_c2_58	5208	10430	134	405	279	2.4e-24
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Protein name

Locus Name

Acc#

sp:YUXK_BACSU

Description

HYPOTHETICAL 15.7 KD PROTEIN IN PBPD-COMA INTERGENIC REGION (ORF2)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

6048462_f3_35	5209	10431	245	738	573	1.7e-55
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Protein name

Locus Name

Acc#

sp:UNG_HUMAN

P13051

Description

URACIL-DNA GLYCOSYLASE PRECURSOR, (UDG)

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

6053437_c3_71	5210	10432	1062	3189	564	2.2e-87
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Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

6735841_f2_25	5211	10433	105	318	444	7.8e-42
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Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

6837837_c2_60	5212	10434	246	741	285	5.5e-25
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Protein name

Locus Name

Acc#

sp:YTFE_HAEIN

P45312

Description

HYPOTHETICAL PROTEIN H11677

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
----------	------	------	-----------	-----------	-------	-------------

24417250_f3_7	5213	10435	67	204	79	0.029
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Protein name	Locus Name	Acc#
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OmpK37 porin	gp:KPN011502	AJ011502
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Description

Klebsiella pneumoniae (strain SD8) ompK37 gene.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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6725192_f3_6	5214	10436	815	2448	159	3.1e-12
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Protein name	Locus Name	Acc#
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colicin I receptor	gp:ECOCIR	
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Description

E.coli colicin I receptor gene, complete cds.

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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2006400_f2_5.....	5215	10437	74	225		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
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3218942_f1_1.....	5216	10438	134	405		
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Protein name	Locus Name	Acc#
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Description

NO-HIT

colicin I receptor

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
34408328_f2_4	5217	10439	399	1200		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
4179002_f3_9	5218	10440	144	435		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
15625252_f1_1	5219	10441	253	762		

Protein name

Locus Name

Acc#

Description

NO-HIT

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
2772937_f1_2	5220	10442	360	1083	526	1.4e-51

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
35351583_c1_3	5221	10443	71	216		

Protein name

Locus Name

Acc#

Description

NO-HIT

